

Panasonic

Service Manual

Colour Television

Z-5 Chassis

TX-21S1T / TC-21S1R

TX-14S1T / TC-14S1R

Power Source : 220 / 240 V AC 50Hz

Power Consumption : 58W TX-21S1T / TC-21S1R
39W TX-14S1T / TC-14S1R

Aerial Impedance : 75Ω unbalanced, Coaxial Type

Receiving System : PAL - I (UHF)
PAL - 60

Receiving Channels : UHF E21 - E69

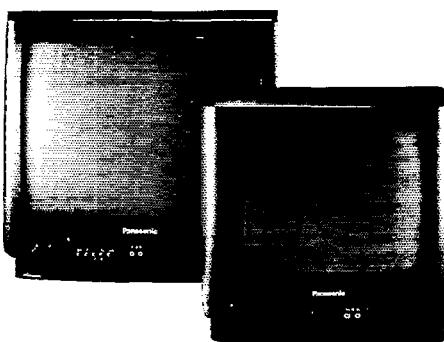
Intermediate Frequency : Video 39.5 MHz
Sound 33.5 MHz
Colour 35.07 MHz PAL

Video/Audio Terminals

AV1 IN	Video (21 pin)	1 Vp-p 75Ω
	Audio (21 pin)	500 mV rms 10kΩ
	RGB (21 pin)	
AV1 OUT	Video (21 pin)	1 Vp-p 75Ω
	Audio (21 pin)	500 mV rms 1kΩ

RCA IN	Video 1 Vp-p 75Ω
RCA IN	Audio 500 mVrms, 10KΩ

Picture Tube :



A51EAL55X13
51 cm V 90°
measured diagonally
A34EAC01X13
36 cm V 90°
measured diagonally.

Audio Output :

5 Watt

Speaker 8Ω, Rectangular

Accessories supplied : Remote Control
2 x R6(UM3) Batteries

High Voltage :(zero beam current)

21S1 Series 14S1 Series

26.4Kv 21.5Kv

21S1 Series 14S1 Series

Height : 477mm 364mm
Width : 518mm 389mm
Depth : 478mm 384mm

21S1 Series 14S1 Series

21Kg 10Kg

Specifications are subject to change without notice.
Weight and dimensions shown are approximate.

IMPORTANT

This receiver uses a HOT chassis, after service please ensure that the chassis is returned to its correct position.

Particular care being taken to the position of the customer controls.

Failure to do so could endanger customer safety.

Panasonic (U.K.) LTD.

WILLOUGHBY ROAD,
BRACKNELL,
BERKS,
RG12 8FT.

Contents

Safety Precautions	2
Location of Controls	3
Service Position	3
Adjustment Procedure	4
Block Diagrams	6
Conductor Views	10
Schematic Diagrams	15
Exploded Views	25
Parts List	29

Safety Precautions

General Guide Lines

1. It is advisable to insert an isolation transformer in the AC supply before servicing a hot chassis.
2. When servicing, observe the original lead dress in the high voltage circuits. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
3. After servicing, see that all the protective devices such as insulation barriers, insulation papers, shields and isolation R-C combinations are correctly installed.
4. When the receiver is not being used for a long period of time, unplug the power cord from the AC outlet.
5. Potentials as high as 26.4Kv kV are present when this receiver is in operation. Operation of the receiver without the rear cover involves the danger of a shock hazard from the receiver power supply. Servicing should not be attempted by anyone who is not familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the picture tube to the chassis before handling the tube.
6. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs of the plug.
2. Turn on the receiver's power switch.
3. Measure the resistance value with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the receiver, such as screw heads, aerials, connectors, control shafts etc. When the exposed metallic part has a return path to the chassis the reading should be between $4M\ \Omega$ and $20M\ \Omega$. When the exposed metal does not have a return path to the chassis the reading must be infinite.

Leakage Current Hot Check

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 2k ohm 10W resistor in series with an exposed metallic part on the receiver and an earth such as a water pipe.
3. Use an AC voltmeter with high impedance to measure the potential across the resistor.

HOT CHECK CIRCUIT

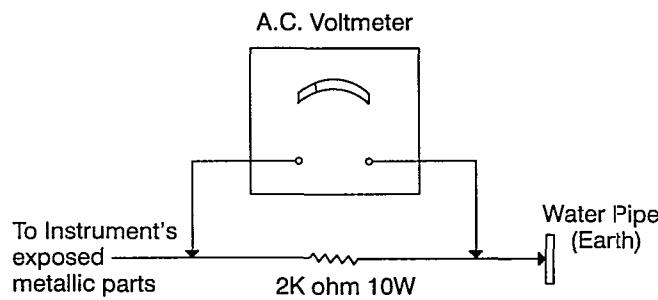


Fig.1

X-Radiation Warning

1. The potential sources of X-Radiation in TV sets are the high voltage section and the picture tube.
2. When using a picture tube test jig for service ensure that the jig is capable of handling 28.0 KV (21S1 Series) and 23KV (14S1 Series) without causing X-Radiation.

NOTE : It is important to use an accurate periodically calibrated high voltage meter

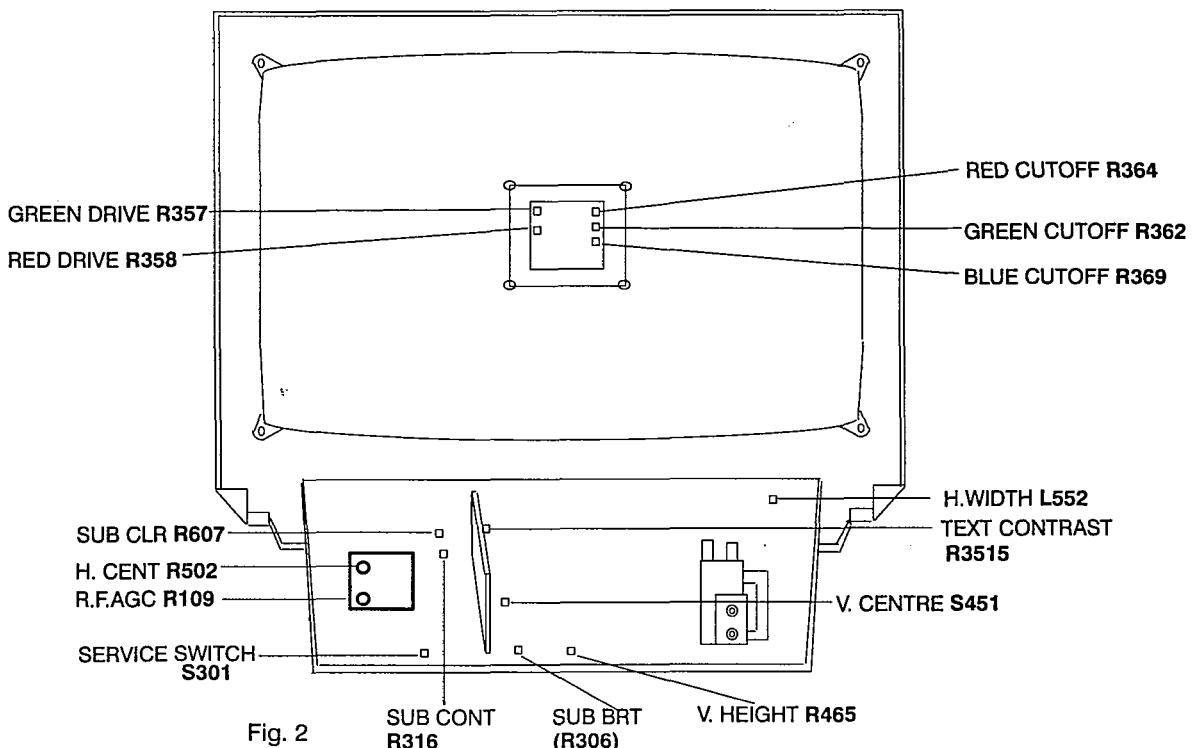
1. Set the brightness to minimum.
2. Measure the high voltage. The meter should indicate:-
 $26.4Kv \pm 1.5\ KV$ (21S1 Series)
 $21.5Kv \pm 1.5\ KV$ (14S1 Series)
if the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.
3. To prevent an X-Radiation possibility, it is essential to use the specified tube.

SHUT DOWN CIRCUIT TEST

This test must be made as a final check before the set is returned to the customer.

1. Receive the Phillips pattern.
2. Check that the shut-down circuit functions when -60V is applied to TPE40, but does not function when -40V is applied.

Location Of Controls

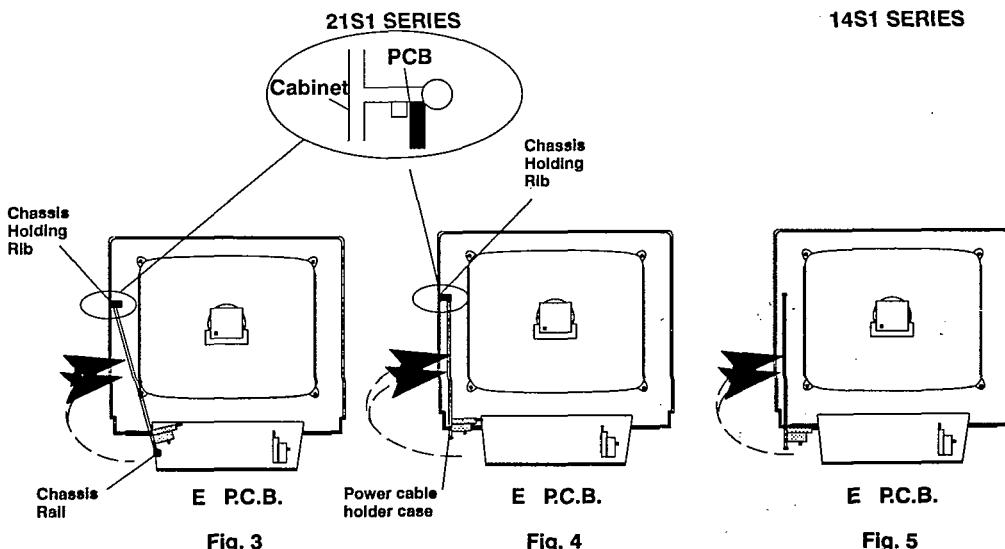


How to move the chassis into the Service position

1. Hold and lift the rear of the E- PCB chassis and gently pull the chassis toward you.
2. Release the respective wiring clips and rotate the chassis clockwise.
For the 21" model,
 - a) Place the lower edge of the chassis against the 'L' shaped stopper located in the chassis rail whilst sliding the upper edge of the board into the chassis holding rib.

OR

 - b) Slide the lower edge of the chassis into the power cable holder case whilst sliding the upper edge of the board into the chassis holding rib.
 For the 14" model
 - a) Slide the lower edge of the chassis into the power cable holder case whilst sliding the upper edge of the board into the chassis holding rib.
3. After servicing ensure all wiring is returned to its original position before returning the receiver to the customer.



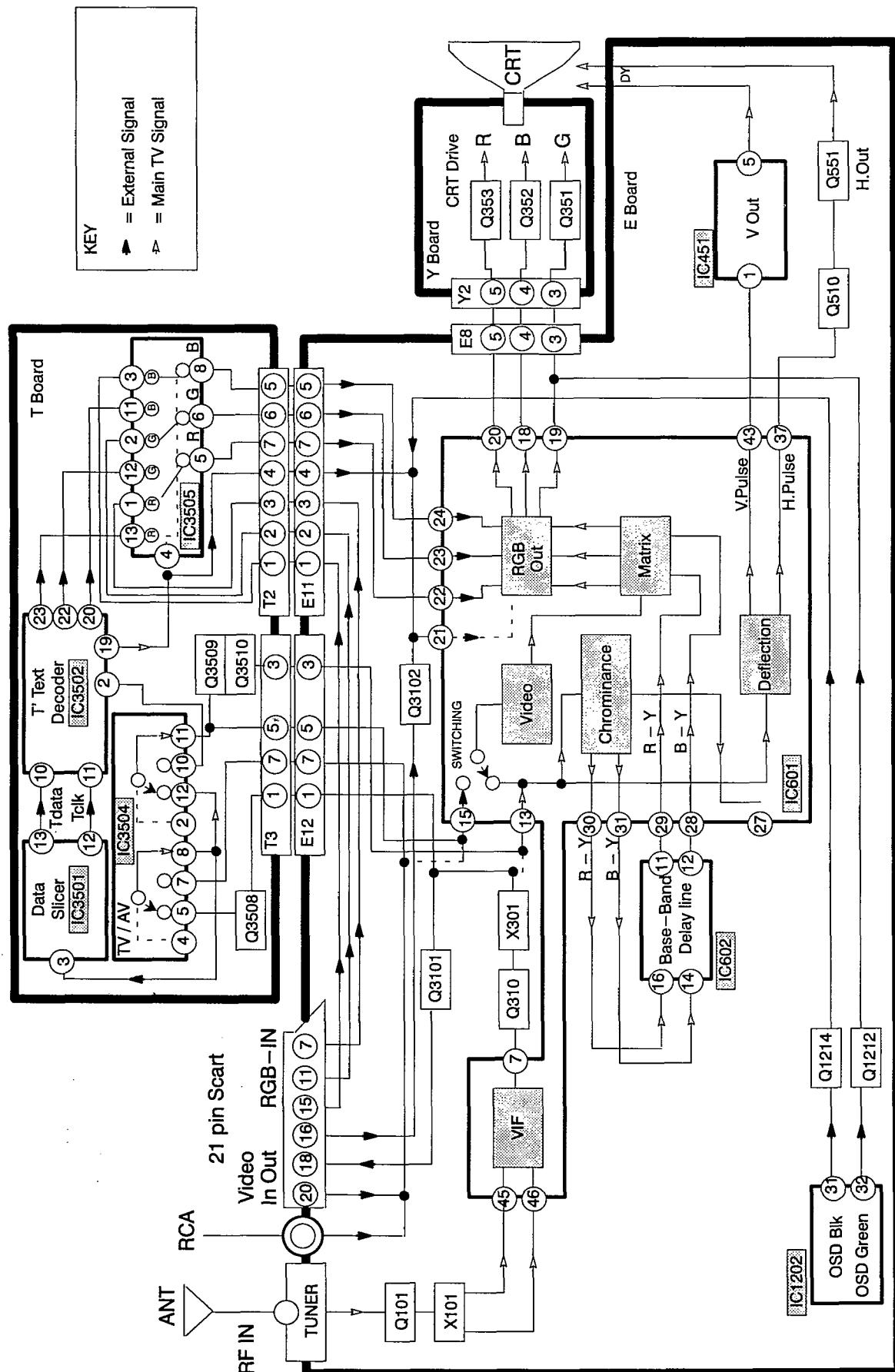
ADJUSTMENTS

ITEM/PREPARATION	ADJUSTMENT PROCEDURE																																									
B VOLTAGE	1. Confirm the indicated test points for the specified voltage. <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 30%;"></th> <th style="text-align: center;">21S1 Series</th> <th style="text-align: center;">14S1 Series</th> </tr> </thead> <tbody> <tr> <td>TPE 10:</td> <td style="text-align: center;">190V ± 10V</td> <td style="text-align: center;">135V ± 10.0V</td> </tr> <tr> <td>TPE 13:</td> <td style="text-align: center;">124.5V ± 1.5V</td> <td style="text-align: center;">103V ± 1.5V</td> </tr> <tr> <td>TPE 11:</td> <td style="text-align: center;">31V ± 2V</td> <td style="text-align: center;">27.0V ± 2V</td> </tr> <tr> <td>TPE 1:</td> <td style="text-align: center;">11V ± 1V</td> <td style="text-align: center;">11V ± 1V</td> </tr> <tr> <td>TPE 6:</td> <td style="text-align: center;">28.0V ± 1.5V</td> <td style="text-align: center;">26.7V ± 1.5V</td> </tr> <tr> <td>TPE 9:</td> <td style="text-align: center;">23.0V ± 1.0V</td> <td style="text-align: center;">23.3V ± 1.0V</td> </tr> <tr> <td>TPE 4:</td> <td style="text-align: center;">16.3V ± 1.0V</td> <td style="text-align: center;">16.0V ± 1.0V</td> </tr> <tr> <td>TPE 5:</td> <td style="text-align: center;">12.0V ± 1.0V</td> <td style="text-align: center;">12.0V ± 1.0V</td> </tr> <tr> <td>TPE 3:</td> <td style="text-align: center;">8.0V ± 1.0V</td> <td style="text-align: center;">8.0V ± 1.0V</td> </tr> <tr> <td>TPE 2:</td> <td style="text-align: center;">5.0V ± 0.3V</td> <td style="text-align: center;">5.0V ± 0.3V</td> </tr> <tr> <td>TPE 14:</td> <td style="text-align: center;">30V ± 2.5V</td> <td style="text-align: center;">30V ± 2.5V</td> </tr> </tbody> </table>							21S1 Series	14S1 Series	TPE 10:	190V ± 10V	135V ± 10.0V	TPE 13:	124.5V ± 1.5V	103V ± 1.5V	TPE 11:	31V ± 2V	27.0V ± 2V	TPE 1:	11V ± 1V	11V ± 1V	TPE 6:	28.0V ± 1.5V	26.7V ± 1.5V	TPE 9:	23.0V ± 1.0V	23.3V ± 1.0V	TPE 4:	16.3V ± 1.0V	16.0V ± 1.0V	TPE 5:	12.0V ± 1.0V	12.0V ± 1.0V	TPE 3:	8.0V ± 1.0V	8.0V ± 1.0V	TPE 2:	5.0V ± 0.3V	5.0V ± 0.3V	TPE 14:	30V ± 2.5V	30V ± 2.5V
	21S1 Series	14S1 Series																																								
TPE 10:	190V ± 10V	135V ± 10.0V																																								
TPE 13:	124.5V ± 1.5V	103V ± 1.5V																																								
TPE 11:	31V ± 2V	27.0V ± 2V																																								
TPE 1:	11V ± 1V	11V ± 1V																																								
TPE 6:	28.0V ± 1.5V	26.7V ± 1.5V																																								
TPE 9:	23.0V ± 1.0V	23.3V ± 1.0V																																								
TPE 4:	16.3V ± 1.0V	16.0V ± 1.0V																																								
TPE 5:	12.0V ± 1.0V	12.0V ± 1.0V																																								
TPE 3:	8.0V ± 1.0V	8.0V ± 1.0V																																								
TPE 2:	5.0V ± 0.3V	5.0V ± 0.3V																																								
TPE 14:	30V ± 2.5V	30V ± 2.5V																																								
AFC	1. Operate the TV set. 2. Set controls : Bright (R318) minimum Sub Bright (R306) minimum Volume minimum Beam Current Zero 3. Apply 39.5 Mhz continuous wave to TPE54 (IF pin of Tuner) $(0.5V_{p-p}/75\Omega)$ 4. Adjust L104 so that voltage at TPE27 becomes $2.5 \pm 0.1V$. 5. Change the frequency and confirm the voltage as shown below. + 100kHz: Less than 1.0V - 100kHz: more than 4.0V																																									
RF AGC	1. Receive the Philips pattern. 2. Set the input level to 60 ± 2 dB (75Ω open). 3. Connect an oscilloscope to TPE59 (RF AGC terminal).																																									
HIGH VOLTAGE	1. Connect a high voltage meter (Electrostatic type) to an anode of the picture tube. 2. Confirm that the high voltage is within a range of <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 50%;">21S1 Series</th> <th style="text-align: center; width: 50%;">14S1 Series</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">$26.4kV \pm 1.5kV$</td> <td style="text-align: center;">$21.5kV \pm 1.5kV$</td> </tr> </tbody> </table>						21S1 Series	14S1 Series	$26.4kV \pm 1.5kV$	$21.5kV \pm 1.5kV$																																
21S1 Series	14S1 Series																																									
$26.4kV \pm 1.5kV$	$21.5kV \pm 1.5kV$																																									

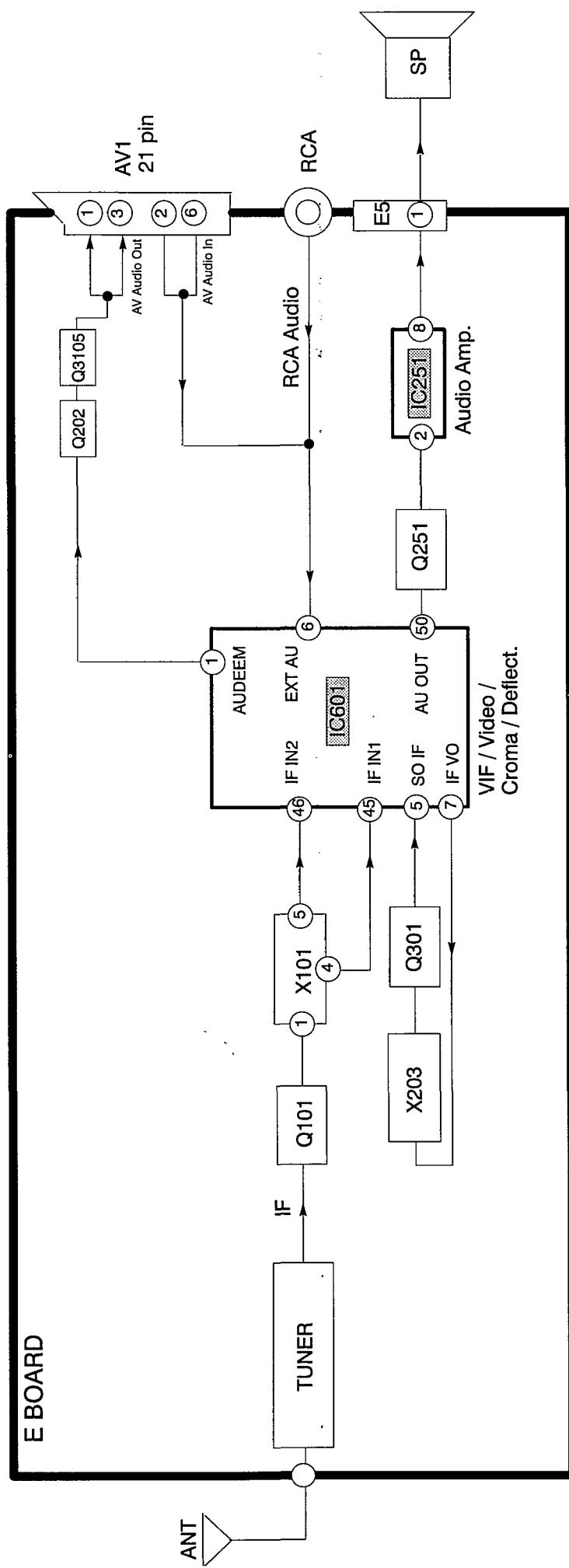
ADJUSTMENTS

SUB CONTRAST	<ol style="list-style-type: none"> Receive a Philips pattern. (Input level 75dB). Connect an oscilloscope to TPY1. Set controls to : <table border="0"><tr><td>Brightness</td><td>minimum</td></tr><tr><td>Contrast</td><td>maximum</td></tr><tr><td>Colour</td><td>minimum</td></tr><tr><td>Sharpness</td><td>centre</td></tr><tr><td>Pix</td><td>minimum</td></tr></table> 	Brightness	minimum	Contrast	maximum	Colour	minimum	Sharpness	centre	Pix	minimum	<ol style="list-style-type: none"> Adjust Sub brightness (R306) to set the black level to 0.2V. Adjust the Sub contrast (R316) to set the drive voltage to $2.8V \pm 0.1V - p$. <p style="text-align: center;">Adjust R316 $2.8V \pm 0.1V - p$</p> <p style="text-align: center;">0.2V</p> <p style="text-align: center;">Adjust (R306)</p> <p style="text-align: center;">Fig.5</p>
Brightness	minimum											
Contrast	maximum											
Colour	minimum											
Sharpness	centre											
Pix	minimum											
SUB COLOUR	<ol style="list-style-type: none"> Receive a PAL colour bar pattern. Set controls to: <table border="0"><tr><td>Brightness</td><td>minimum</td></tr><tr><td>Contrast</td><td>maximum</td></tr><tr><td>Sub colour</td><td>centre</td></tr><tr><td>Colour</td><td>centre</td></tr><tr><td>Sharpness</td><td>minimum</td></tr></table> Connect an oscilloscope to TPE15. 	Brightness	minimum	Contrast	maximum	Sub colour	centre	Colour	centre	Sharpness	minimum	<ol style="list-style-type: none"> Connect a short jumper between TPE6 and earth. Adjust the sub colour (R607) for $1.6Vp-p \pm 0.1V$ at TPE15 as shown in Fig.6. Remove the earth jumper wire. <p style="text-align: center;">$1.6Vp-p \pm 0.1V$</p> <p style="text-align: center;">Fig.6</p>
Brightness	minimum											
Contrast	maximum											
Sub colour	centre											
Colour	centre											
Sharpness	minimum											
TEXT CONTRAST	<ol style="list-style-type: none"> Receive a teletext signal. Connect an oscilloscope T2 pin 5. 	<ol style="list-style-type: none"> Adjust R3515 to check the maximum level $> 1.5v$ and a minimum level $< 0.6v$. Adjust R3515 to centre. (pk - pk *) <p style="text-align: center;">* pk - pk</p> <p style="text-align: center;">Fig.7.</p>										

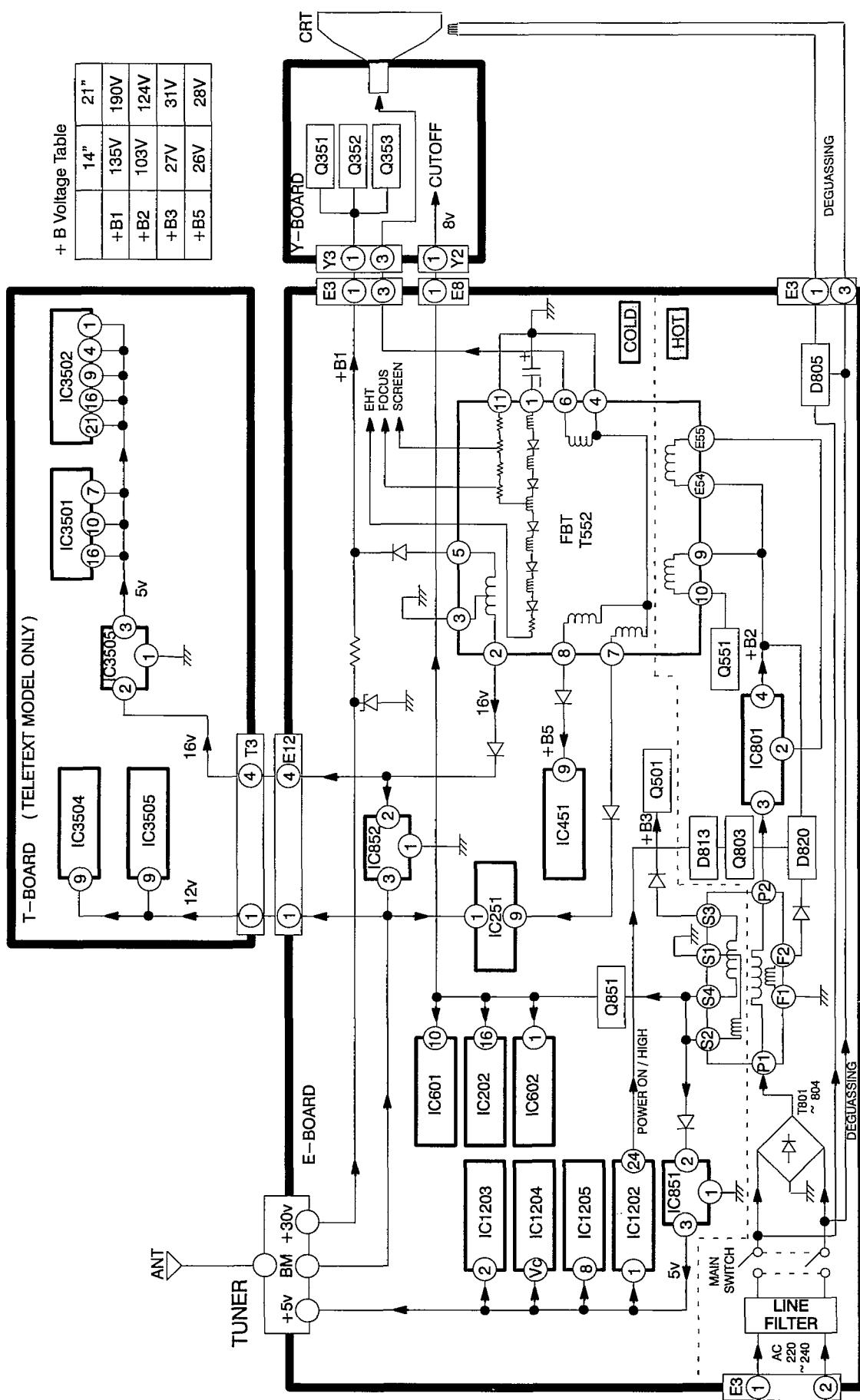
VIDEO SIGNAL BLOCK DIAGRAM



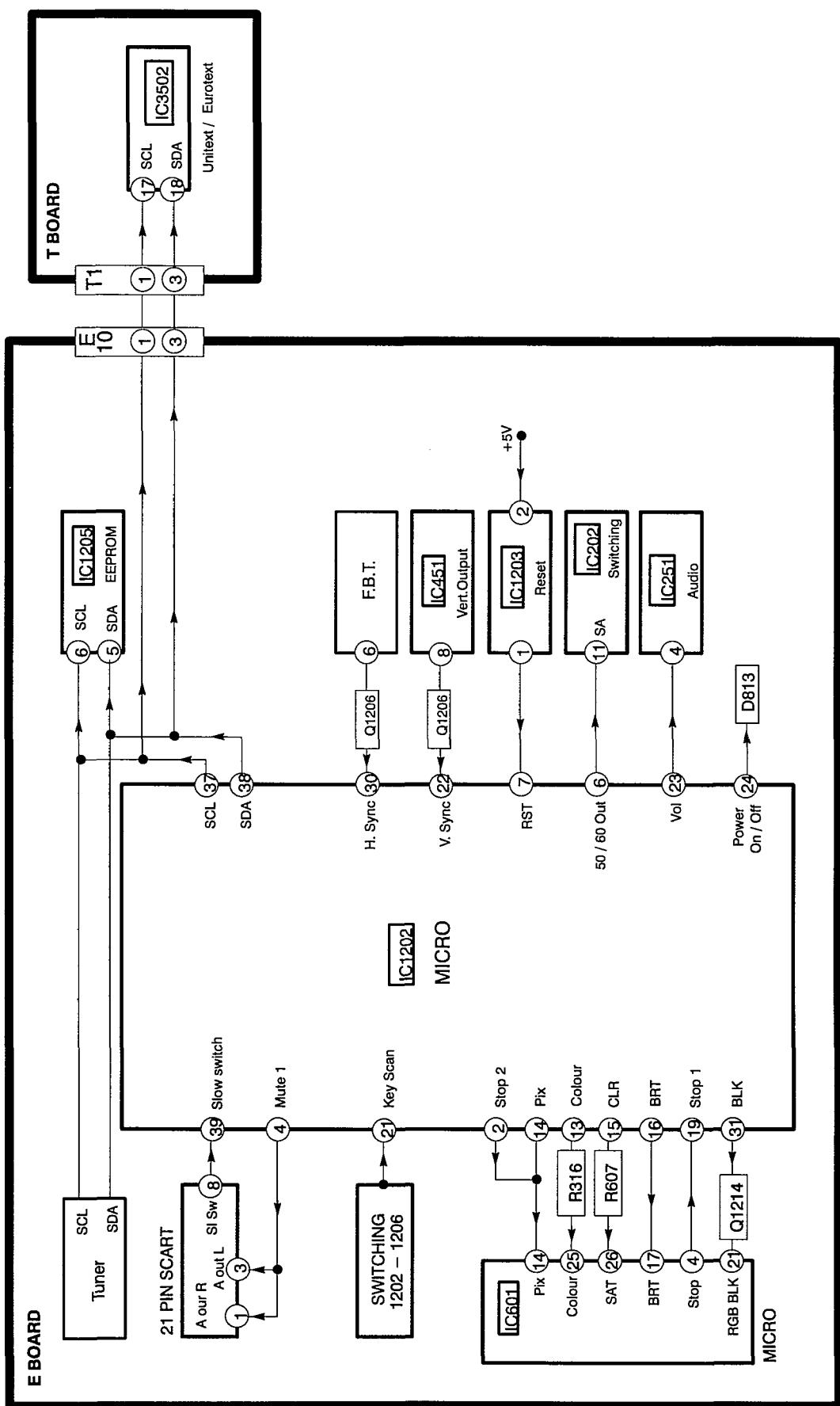
AUDIO LINE BLOCK DIAGRAM



POWER SUPPLY BLOCK DIAGRAM



CONTROL LINE BLOCK DIAGRAM

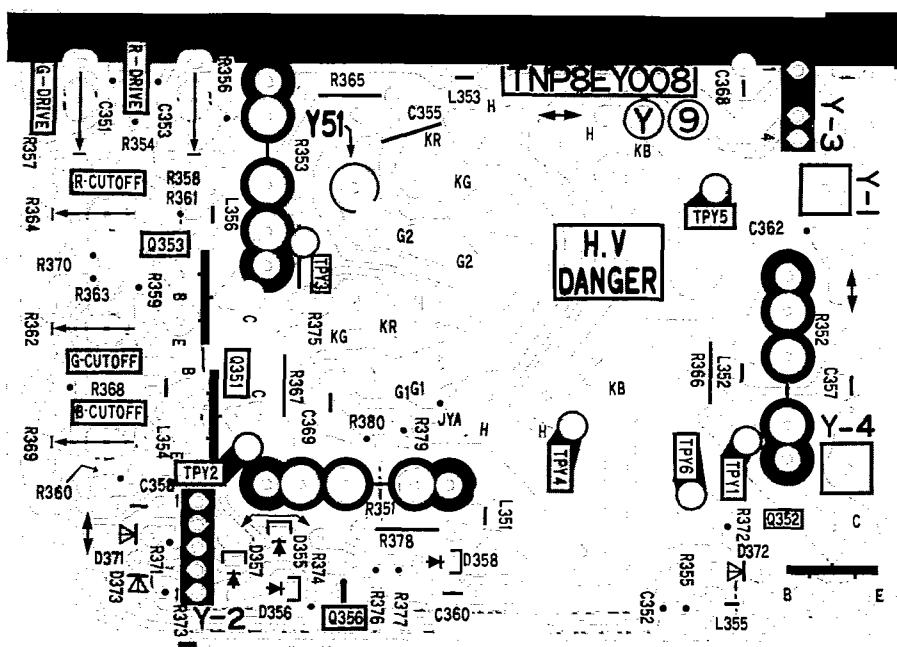


CONDUCTOR VIEWS

Y BOARD TNP8EY008

Y Board.

DIODES	TRANS.	TEST NO.
D373-A1	Q353-A2	TPY5-C2
D371-A1	Q351-B2	TPY2-B1
D357-B1	Q352-D1	TPY3-B2
D355-B1	Q356-B1	TPY4-C2
D358-C1		TPY6-C2
D372-C1		TPY1-C2
D356-B1		



A

B

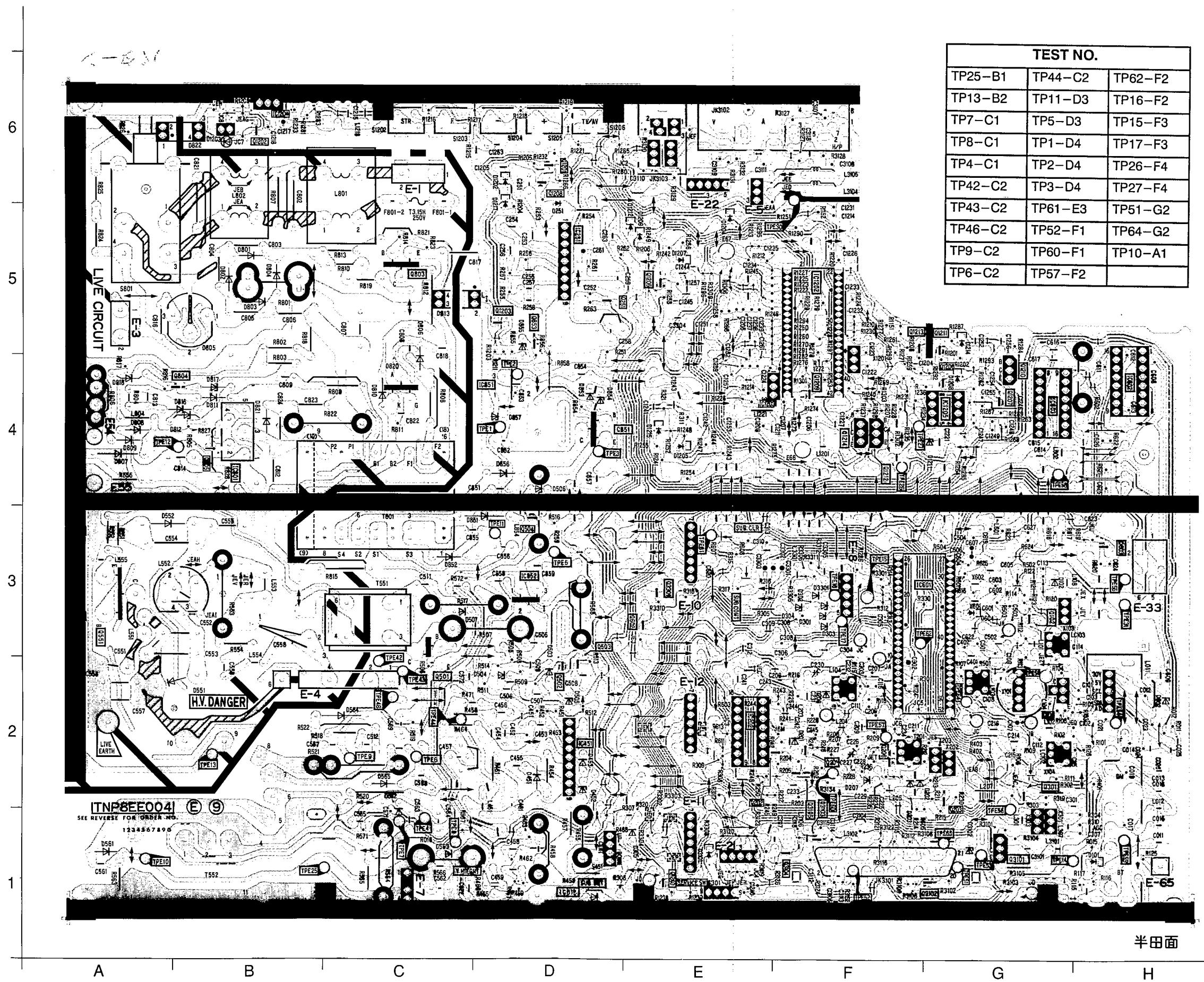
C

D

E

E BOARD TNP8EE004

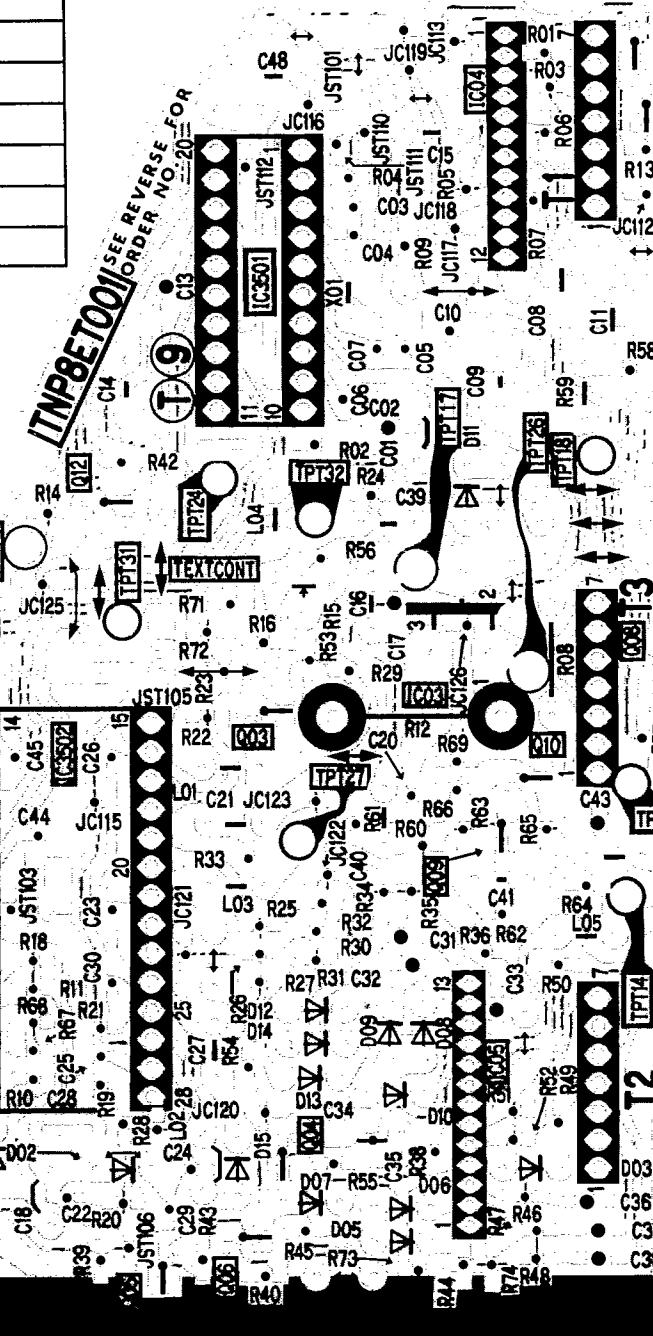
E Board.



DIODES	D251-D5	TRANS.
D807-A4	D1217-D5	Q3301-E3
D809-A4	D1202-D6	Q602-E3
D808-A4	D3101-E1	Q1205-E5
D816-A4	D1205-E4	Q3104-F1
D805-A5	D1215-E4	Q3105-F1
D551-D2	D1212-E5	Q3103-F1
D817-D4	D1209-E5	Q201-F2
D821-B4	D203-F1	Q206-F2
D811-B4	D303-F2	Q1214-F4
D801-B5	D202-F2	Q1212-F4
D802-B5	D203-F2	Q1209-F4
D803-B5	D201-F2	Q1213-F4
D804-B5	D206-F2	Q203-G1
D805-B5	D301-F3	Q3101-G1
D822-B6	D302-F3	Q3102-G2
D1203-B6	D303-F3	Q301-G1
D563-C1	D3301-F3	Q203-G1
D562-C1	D3102-G1	Q101-G2
D564-C2	D102-G3	Q102-G3
D565-C2	D604-G3	Q1206-G4
D852-C3	D1211-G4	Q1210-G4
D507-C3	D1214-G4	Q1207-G4
D810-C4	D101-H1	Q603-H3
D820-C4	D602-H2	Q551-A3
D813-C5	D561-A1	Q1204-E4
D305-D1	I.C.'s	Q804-A4
D453-D2	IC012-D1	Q805-B4
D451-D2	IC451-D2	Q1202-B6
D505-D2	IC852-D3	Q501-C2
D503-D2	IC851-D4	Q803-C5
D504-D2	IC251-D5	Q502-D2
D856-D4	IC202-E2	Q503-D2
D506-D4	IC601-F3	Q503-D2
D552-A3	IC1202-F4	Q851-D4
D818-A4	IC603-G4	Q1203-D5
D855-D4	IC205-G4	Q853-D5
D853-D4	IC602-H4	Q1208-D5
D854-D4	IC801-B4	Q1201-D6
D1202-D5	IC1204-B6	Q202-E1

T BOARD TNP8ET001

DIODE	TRANS.	TEST NO.
D01-B1	Q05-B1	TP14-D2
D16-B1	Q06-C1	TP12-A3
D02-B1	Q11-A2	TP27-C3
D05-C1	Q04-C2	TP20-D3
D07-C1	Q03-C3	TP23-B4
D06-C1	Q09-C3	TP31-B4
D15-C1	Q08-D3	TPP24-C4
D03-D1	Q10-D3	TP32-C4
D16-B1	Q12-B4	TP17-C4
D12-C2	Q13-D5	TP26-D4
D14-C2	Q14-D5	TP18-D4
D09-C2	I.C.'s	
D13-C2	IC05-D1	
D08-C2	IC06-B2	
D10-C2	IC3502-B2	
D11-D4	IC03-C3	
	IC3501-C4	
	IC04-D5	



**SCHEMATIC DIAGRAM FOR MODELS
TX-21S1T / TX-21S1R / TX-14S1T / TC-14S1R
(Z-5 CHASSIS)**

IMPORTANT SAFETY NOTICE

Components identified by mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

1. **RESISTOR**
All resistors are carbon 1/4W resistor, unless marked.
Unit of resistance is OHM (Ω) (K=1,000, M=1,000,000).

: Nonflammable	: Metal Oxide
: Metal Film	: Fuse
: Wire Wound	: Solid
2. **CAPACITOR**
All capacitors are ceramic 50V capacitors, unless marked as follows:
Unit of capacitance is μF , unless otherwise stated.

: Temperature Compensation	: Polyester
: Polypropylene	: Dipped Tantalum
: Electrolytic	: Bipolar
: Metallised Polyester	: Z-Type
3. **COIL**
Unit of inductance is μH , unless otherwise stated.
4. **TEST POINT**
 Test Point position Waveform Test Point position
5. **EARTH SYMBOL**
 Chassis Earth (Cold) Line Earth (Hot)
6. **VOLTAGE MEASUREMENT**
Voltage is measured by a DC voltmeter. Measurement conditions are as follows:
Power source AC 220 / 240V, 50Hz
Receiving Signal Colour Bar signal (RF)
All customer controls Maximum position

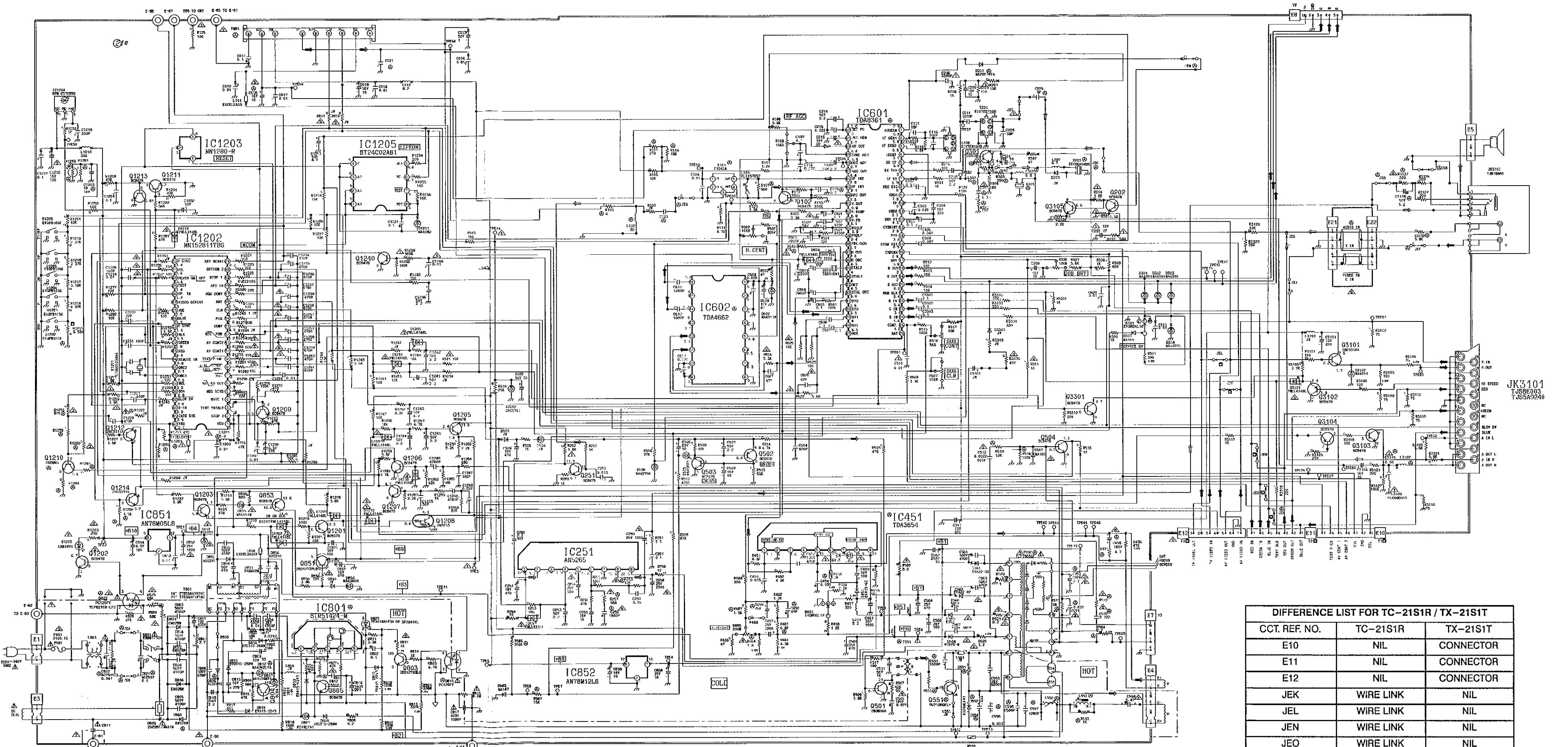
- 7. Indicates the Video signal path
- 8. Indicates the Audio signal path
- 9. Indicates the Vertical/Horizontal signal path

8. This schematic diagram is the latest at the time of printing and is subject to change without notice.

Remarks:

1. Care must be taken when servicing this receiver, as it uses a HOT chassis. The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions. All circuits except the Audio, Video input circuits are HOT.
2. **Precautions**
 - a. Do not touch the hot part, or the hot and cold parts of the chassis, at the same time, as you are liable to a shock hazard.
 - b. Do not short-circuit the hot and cold circuits as electrical components may be damaged.
 - c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously, as this may cause fuse failure. Connect the earth of the instruments to the earth connection of the circuit being measured.
 - d. Make sure to disconnect the power plug before removing the chassis.

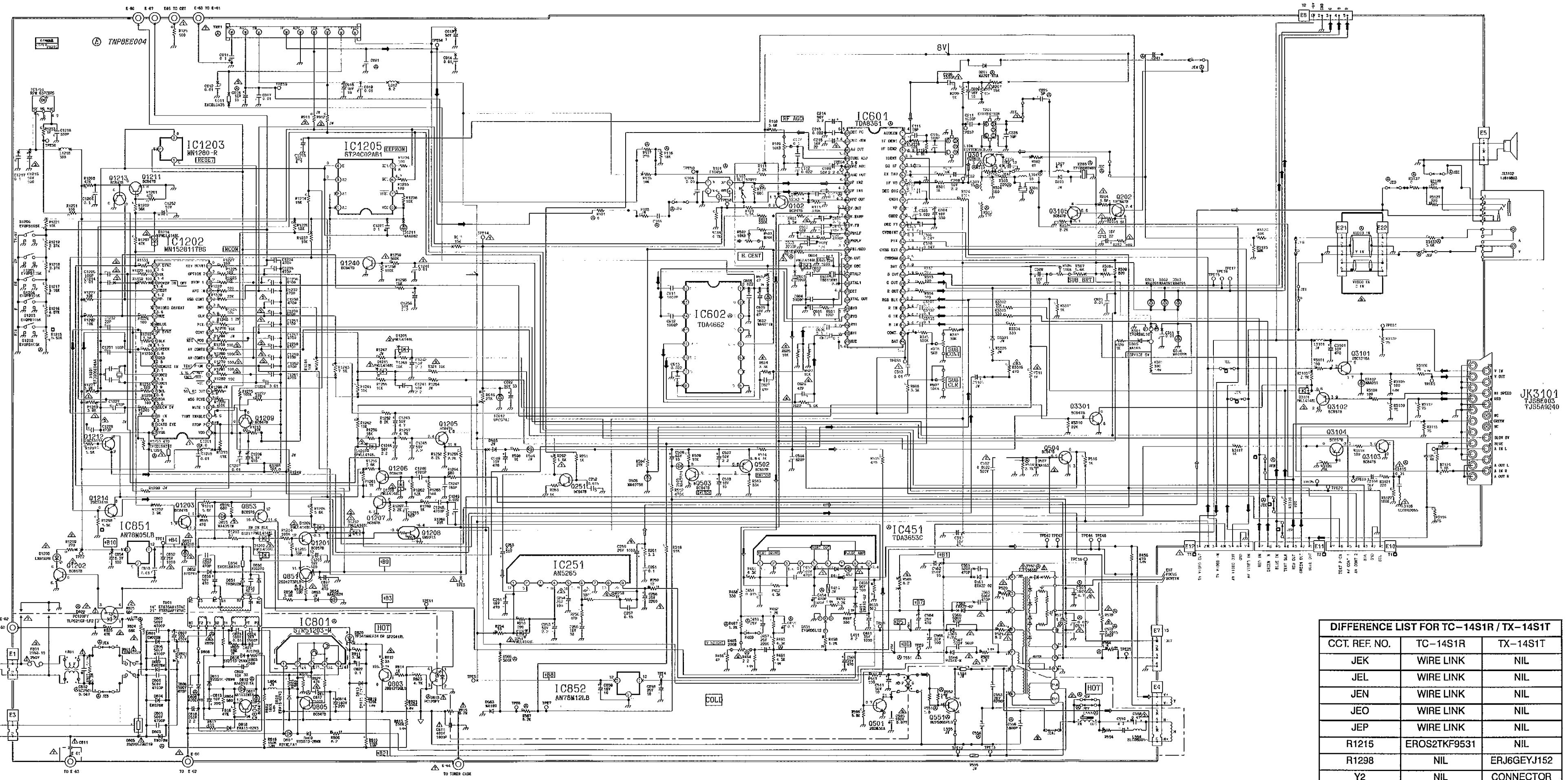
E BOARD TNP8EE004 TX-21S1T / TC-21S1R



DIFFERENCE LIST FOR TC-21S1R / TX-21S1T

CCT. REF. NO.	TC-21S1R	TX-21S1T
E10	NIL	CONNECTOR
E11	NIL	CONNECTOR
E12	NIL	CONNECTOR
JEK	WIRE LINK	NIL
JEL	WIRE LINK	NIL
JEN	WIRE LINK	NIL
JEQ	WIRE LINK	NIL
JEP	WIRE LINK	NIL
R1215	EROS2TKF9531	NIL

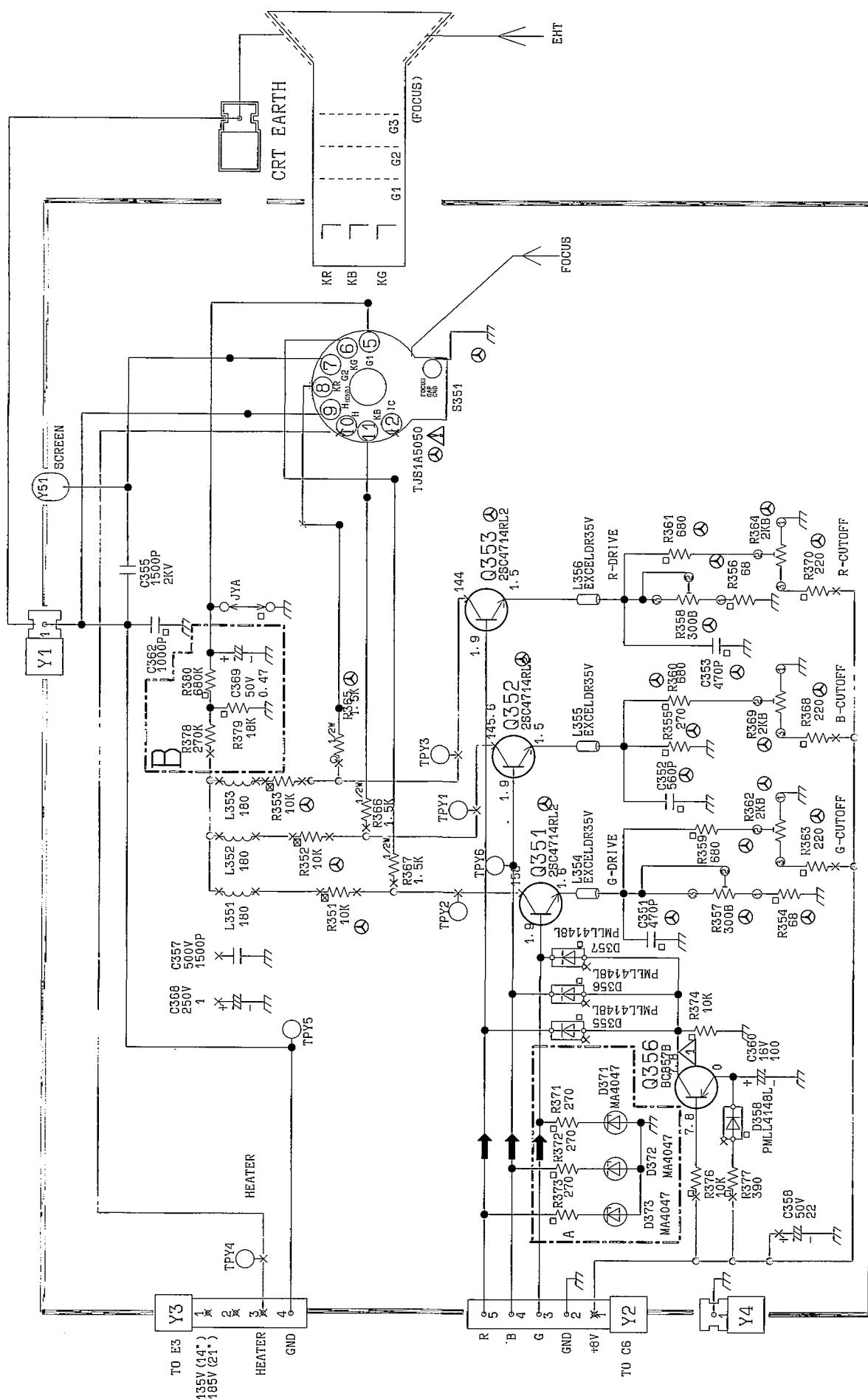
E BOARD TNP8EE004 TX-14S1T / TC-14S1R



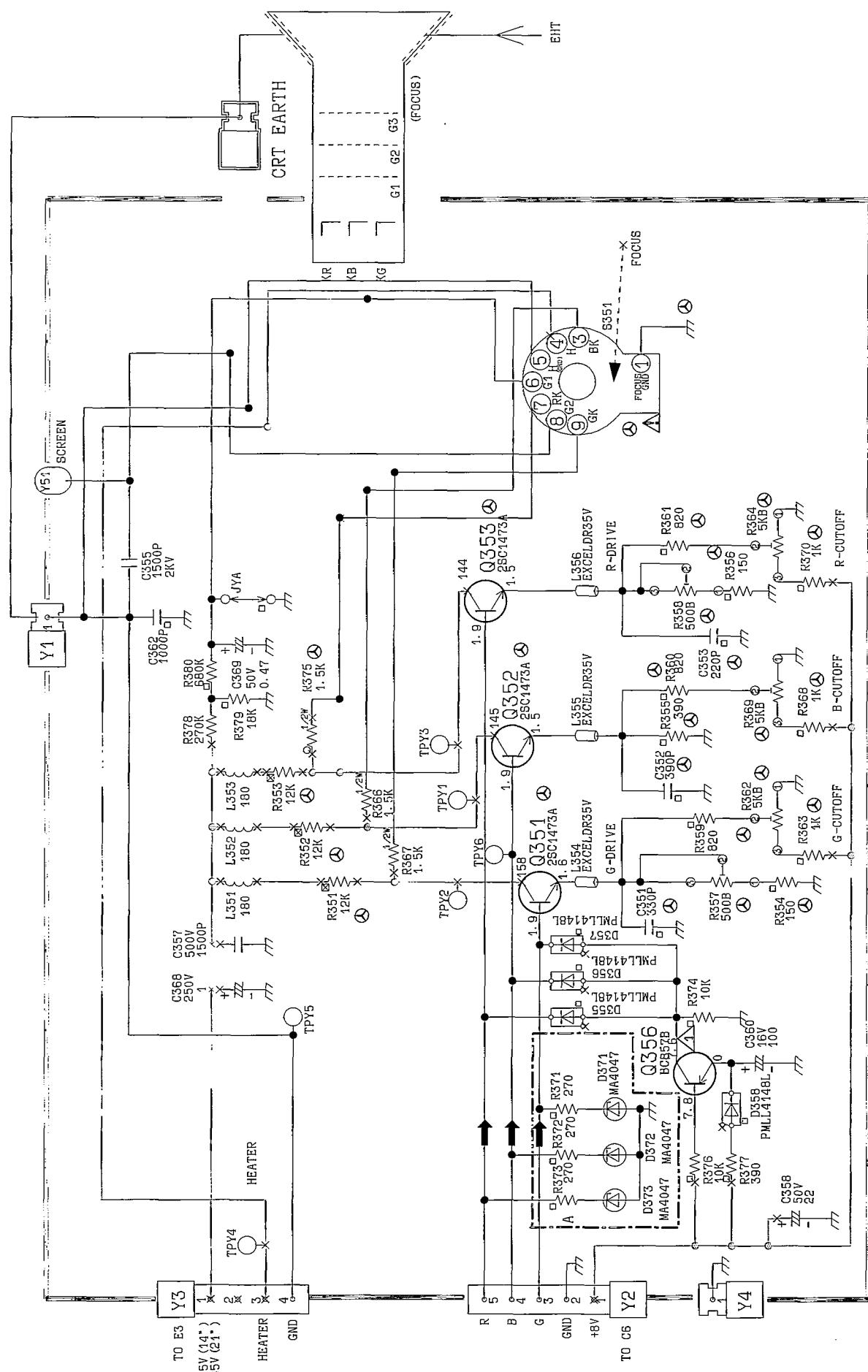
DIFFERENCE LIST FOR TC-14S1R / TX-14S1T

CCT. REF. NO.	TC-14S1R	TX-14S1T
JEK	WIRE LINK	NIL
JEL	WIRE LINK	NIL
JEN	WIRE LINK	NIL
JEQ	WIRE LINK	NIL
JEP	WIRE LINK	NIL
R1215	EROS2TKF9531	NIL
R1298	NIL	ERJ6GEYJ152
Y2	NIL	CONNECTOR

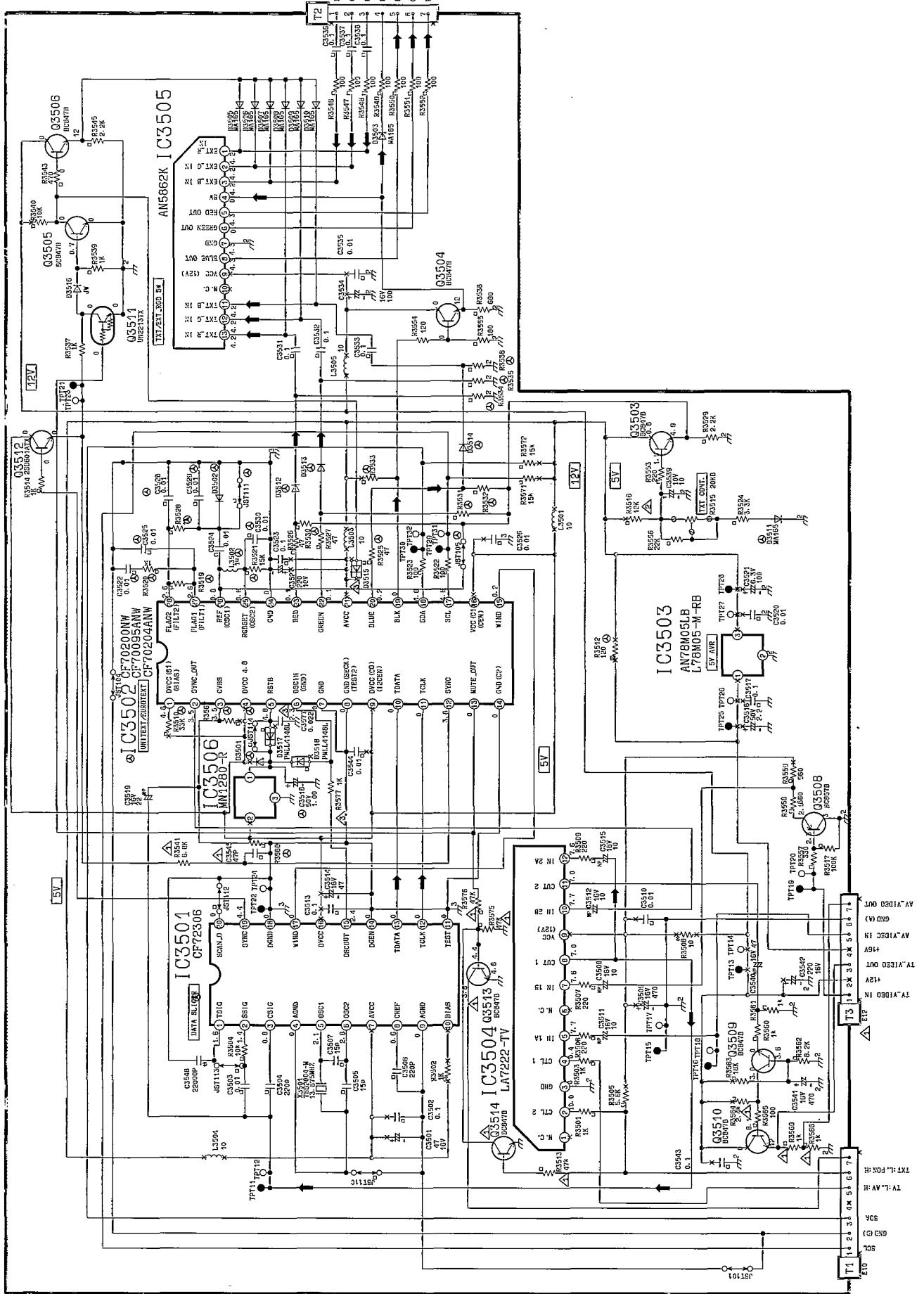
Y BOARD TNP8EY008 TX-21S1T / TC-21S1R



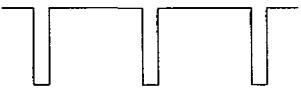
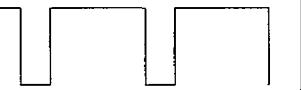
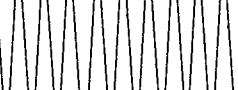
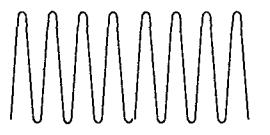
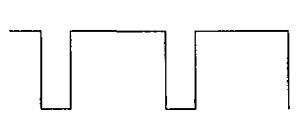
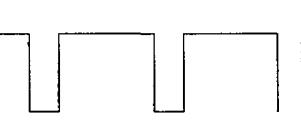
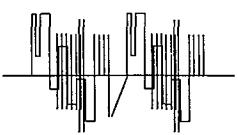
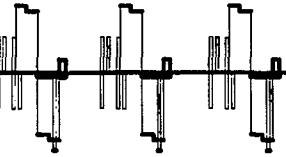
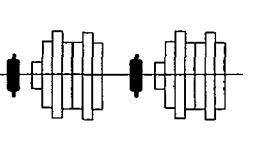
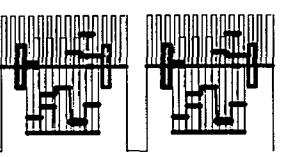
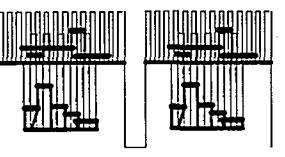
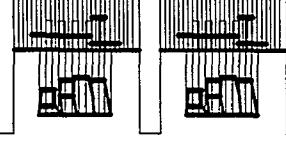
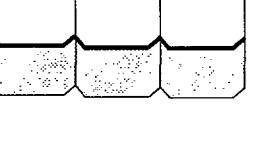
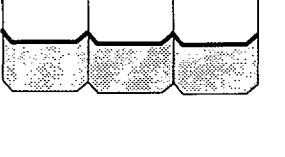
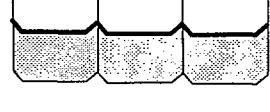
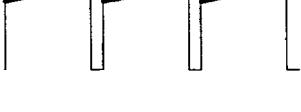
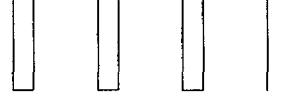
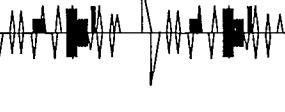
Y BOARD TNP8EY008 TX-14S1T / TC-14S1R



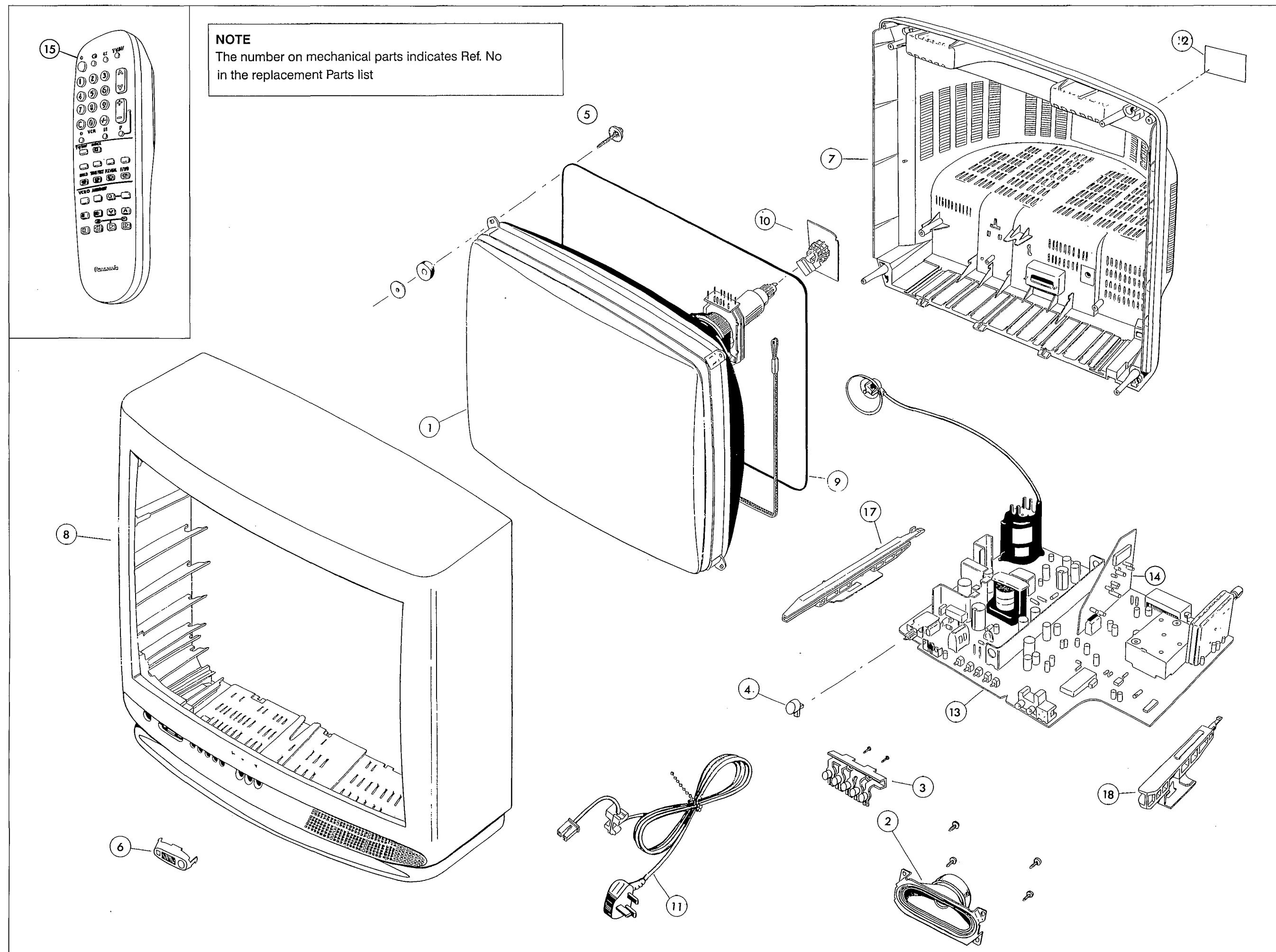
T BOARD TNP8ET001



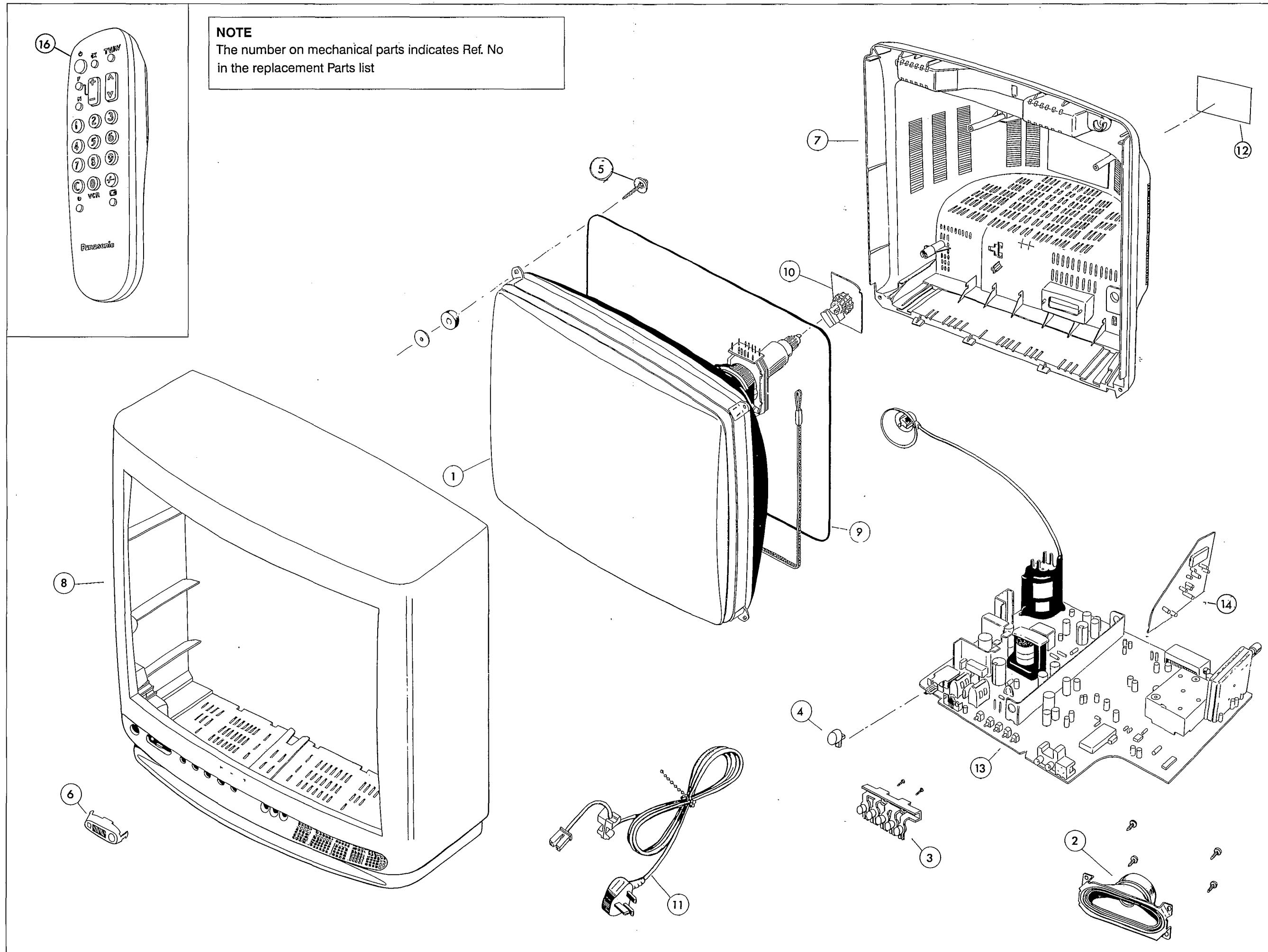
WAVEFORM PATTERN TABLE.

(1) Vert Out IC IN  IC451 pin 8	(2) H.Sync  IC1202 pin 30	(3) SCL  IC1202 pin 37	(4) OSC.2  IC 1202 pin 35
(5) OSC.1  IC1202 pin 36	(6) SOA  IC1202 pin 38	(7) Slow Switch  IC1202 pin 39	(8) 'BY' Out  IC601 pin 31
(9) 'RY' Out  IC601 pin 30	(10) IF VO  IC601 pin 7	(11) B Out  IC601 pin 18	(12) G Out  IC 601 pin 19
(13) R Out  IC601 pin 20	(14) GREEN  IC3502 pin 22	(15) BLK  IC3502 pin 19	(16) BLUE  IC3502 pin 20
(17) RED  IC3502 pin 23	(18) Vert Drive  IC451 pin 1	(19) H. Out  IC601 pin 37	(20) Hue  IC601 pin 27

PARTS LOCATION FOR TX-21S1T / TC-21S1R



PARTS LOCATION FOR TX-14S1T / TC-14S1R



REPLACEMENT PARTS LIST

Important Safety Notice

Components identified by Δ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

PARTS COMMON TO TC-14S1R AND TX-14S1T

Ref No.	Part No.	Description				Ref No.	Part No.	Description			
MISCELLANEOUS COMPONENTS											
	TPC8E4418	OUTER CARTON				C251	ECEA1CU471	ELECT	16V	470 μ F	
	TPD8E578	TOP CUSHION				C252	ECUV1H153ZFX	S.M. CAP	50V	15nF	
	TPD8E579	BOTTOM CUSHION				C253	ECEA1HFS2R2	S.M. CAP	50V	2.2 μ F	
	UM-3DEP-2P	BATTERY				C254	ECEA1EU101	ELECT	25V	100 μ F	
01)	A34EAC01X13	C.R.T	Δ			C255	ECEA1CGE330	ELECT	16V	33 μ F	
02)	EASG9D541A2	SPEAKER				C257	222236516154	FILM	160V	150nF	
03)	TBX8E019	KEY BUTTON				C258	ECEA1EGE222	ELECT	25V	2200 μ F	
04)	TBX8E018	POWER BUTTON				C259	ECEA1EU102	ELECT	25V	1000 μ F	
05)	THE492-4	CRT SCREW				C261	ECUV1H104ZFW	S.M. CAP	50V	100nF	
06)	TKP8E1107	SMOKED PANEL				C263	ECEA1HU2R2	ELECT	50V	2.2 μ F	
07)	TKU8E00144	REAR COVER	Δ			C301	ECEA1CU100	ELECT	16V	10 μ F	
08)	TKY8E028	CABINET	Δ			C302	ECUV1H104ZFW	S.M. CAP	50V	100nF	
09)	TLK8E05111	COIL				C303	ECUV1H223ZFX	S.M. CAP	50V	22nF	
10)	TNP8EY008AC	Y.P.C.B.	Δ			C304	ECEA1AU331	ELECT	10V	330 μ F	
11)	TSX8E0012	MAINS LEAD	Δ			C305	ECQM1H104J	FILM	50V	100nF	
	TQB8E0839	INSTRUCTION BOOK	Δ			C306	ECUV1H473ZFX	S.M. CAP	50V	47nF	
	TSA8E001	LOOP ANTENNA				C307	ECUV1H102KBX	S.M. CAP	50V	1nF	
F801	2153.15H	FUSE	Δ			C308	ECUV1H473ZFX	S.M. CAP	50V	47nF	
JK3101	TJS8E003	SCART SOCKET				C309	ECEA1CU100	ELECT	16V	10 μ F	
JK3102	TJB16663	A.V. TERMINAL				C311	ECUV1H103ZFX	S.M. CAP	50V	10nF	
POE1	TMW8E015	L.E.D. HOLDER				C312	ECEA1AU471	ELECT	10V	470 μ F	
TNR1	ENV87877G3	TUNER	Δ			C313	ECUV1H103ZFX	S.M. CAP	50V	10nF	
	TBM153023	PANASONIC BADGE				C351	ECUV1H331KBX	S.M. CAP	50V	330pF	
CAPACITORS											
C011	ECQM1H104J	FILM	50V	100nF		C352	ECUV1H391KBX	S.M. CAP	50V	390pF	
C012	ECUV1H103ZFX	S.M. CAP	50V	10nF		C353	ECUV1H221KBX	S.M. CAP	50V	220pF	
C013	ECEA1HU010	ELECT	50V	1 μ F		C355	ECKC3D152J	CERAMIC	2KV	1.5nF	Δ
C014	ECUV1H103ZFX	S.M. CAP	50V	10nF		C357	ECKC2H152J	CERAMIC	500V	1.5nF	Δ
C016	ECEA1CU100	ELECT	16V	10 μ F		C358	ECEA1HU220	ELECT	50V	22 μ F	
C017	ECUV1H103ZFX	S.M. CAP	50V	10nF		C360	ECEA1CU101	ELECT	16V	100 μ F	
C018	ECEA1CU100	ELECT	16V	10 μ F		C362	ECUV1H102ZFX	S.M. CAP	50V	1nF	
C019	ECUV1H103ZFX	S.M. CAP	50V	10nF		C368	ECEA2EU010	ELECT	250V	1 μ F	
C021	ECUV1H080DCX	S.M. CAP	50V	80pF		C401	ECQM1H104J	FILM	50V	100nF	
C022	ECEA1HGE330	ELECT	50V	33 μ F		C402	ECUV1H471JCX	S.M. CAP	50V	470pF	
C103	ERJ6GEY0R00	WIRE LINK				C451	ECUV1H153ZFX	S.M. CAP	50V	15nF	
C104	ECUV1H103ZFX	S.M. CAP	50V	10nF		C452	ECKC2H471J	CERAMIC	500V	470pF	Δ
C107	ECUV1H104ZFW	S.M. CAP	50V	100nF		C454	ECKC2H471J	CERAMIC	500V	470pF	Δ
C108	ECEA1HU2R2	ELECT	50V	2.2 μ F		C455	ECEA1HU101	ELECT	50V	100 μ F	
C109	ECUV1H104ZFX	S.M. CAP	50V	100nF		C457	ECEA1EU222	ELECT	25V	2200 μ F	
C111	ECUV1H180JRX	S.M. CAP	50V	18pF		C458	ECQM1H104J	FILM	50V	100nF	
C112	ECUV1H223ZFX	S.M. CAP	50V	22nF		C459	ECEA1EU470	ELECT	25V	47 μ F	
C116	ECUV1H101JCX	S.M. CAP	50V	100pF		C461	ECEA1VGE102	ELECT	35V	1000 μ F	
C206	ECUV1H332KBW	S.M. CAP	50V	3.3nF		C501	ECUV1H472KBX	S.M. CAP	50V	4.7nF	
C208	ECEA1HU2R2	ELECT	50V	2.2 μ F		C502	ECEA1HU010	ELECT	50V	1 μ F	
C209	ECEA1CU100	ELECT	16V	10 μ F		C503	ECUV1H222KBX	S.M. CAP	50V	2.2nF	
C211	ECUV1H102KBX	S.M. CAP	50V	1nF		C504	ECUV1H821JCX	S.M. CAP	50V	820pF	
C214	ECEA1HU2R2	ELECT	50V	2.2 μ F		C505	ECQM1273KZW	FILM	100V	27nF	
C215	ECUV1H223ZFX	S.M. CAP	50V	22nF		C506	ECEA1JU100	ELECT	63V	10 μ F	
C216	ECEA1CU220	ELECT	16V	22 μ F		C507	ECEA1HFS2R2	S.M. CAP	50V	2.2 μ F	
C225	ECUV1H030CCX	S.M. CAP	50V	30pF		C508	ECEA1CU100	ELECT	16V	10 μ F	
C228	ECUV1H390JCX	S.M. CAP	50V	39pF		C509	ECEA1AGE471	ELECT	10V	470 μ F	
C233	ECEA1CU220	ELECT	16V	22 μ F		C511	ECEA1HGE100	ELECT	50V	10 μ F	
						C512	ECKC2H222J	CERAMIC	500V	2200pF	Δ
						C553	ECWH12H822J	CERAMIC	500V	8.2nF	Δ
						C556	ECKC3D821JB	CERAMIC	2KV	820pF	Δ
						C558	ECWF2H474J	FILM	500V	470nF	Δ
						C561	ECKC2H471J	CERAMIC	500V	470pF	Δ
						C563	ECKC2H471J	CERAMIC	500V	470pF	Δ
						C564	ECEA1EU471	ELECT	25V	470 μ F	

Ref No.	Part No.		Description		
C565	ECEA2CU4R7	ELECT	160V	4.7μF	
C566	ECKC2H471J	CERAMIC	500V	470pF	▲
C567	ECKC2H561J	CERAMIC	500V	560pF	▲
C568	ECEA1VU101	ELECT	35V	100μF	
C569	ECEA1VU471	ELECT	35V	470μF	
C571	ECUV1H122JX	S.M. CAP	50V	1.2nF	
C572	ECKC2H152J	CERAMIC	500V	1.5nF	▲
C601	ECUV1H222KBX	S.M. CAP	50V	2.2nF	
C602	ECUV1H150JRX	S.M. CAP	50V	15pF	
C604	ECUV1H392KBX	S.M. CAP	50V	3.9nF	
C605	ECQB1H104J	FILM	50V	100nF	
C606	ECUV1H104ZFW	S.M. CAP	50V	100nF	
C607	ECUV1H104ZFW	S.M. CAP	50V	100nF	
C608	ECUV1H223ZFX	S.M. CAP	50V	22nF	
C609	ECEA1AU470	ELECT	10V	47μF	
C611	ECUV1H102KBX	S.M. CAP	50V	1nF	
C612	ECUV1H102KBX	S.M. CAP	50V	1nF	
C613	ECUV1H223ZFX	S.M. CAP	50V	22nF	
C620	ECUV1H103ZFX	S.M. CAP	50V	10nF	
C622	ECEA1AU102	ELECT	10V	1000μF	
C626	ECUV1H470JCX	S.M. CAP	50V	47pF	
C627	ECUV1H470JCX	S.M. CAP	50V	47pF	
C802	ECQU2A473MN	FILM	200V	47nF	▲
C803	ECKC2H472J	CERAMIC	500V	4.7nF	▲
C804	ECKC2H472J	CERAMIC	500V	4.7nF	▲
C805	ECKC2H472J	CERAMIC	500V	4.7nF	▲
C806	ECKC2H472J	CERAMIC	500V	4.7nF	▲
C807	ECES2GG101	ELECT	400V	100μF	▲
C808	ECKC2H471J	CERAMIC	500V	470pF	▲
C809	ECEA1AU330	ELECT	10V	33μF	
C812	ECKC3D152J	CERAMIC	2KV	1.5nF	▲
C813	ECEA1AU221	ELECT	10V	220μF	
C814	ECA2CGE221	ELECT	160V	220μF	
C817	ECKCNS102J	CERAMIC	1.2KV	1nF	▲
C818	ECEA2EU2R2	ELECT	250V	2.2μF	
C822	ECQM1H104J	FILM	50V	100nF	
C823	ECKC2H103J	CERAMIC	50V	10nF	▲
C824	ECKC3D152J	CERAMIC	2KV	1.5nF	▲
C851	ECKC2H471J	CERAMIC	500V	470pF	▲
C852	ECEA1EU102	ELECT	25V	1000μF	
C853	ECUV1H103ZFX	S.M. CAP	50V	10nF	
C854	ECEA0JU101	ELECT	6.3V	100μF	
C855	ECKC2H471J	CERAMIC	500V	470pF	▲
C856	ECEA1HGE471	ELECT	50V	470μF	
C857	ECEA1AU471	ELECT	10V	470μF	
C858	ECEA1EGE100	ELECT	25V	10μF	
C859	ECEA1EGE100	ELECT	25V	10μF	
C1204	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C1205	ECEA1EU101	ELECT	25V	100μF	
C1206	ECEA0JU471	ELECT	6.3V	470μF	
C1207	ECUV1H103ZFX	S.M. CAP	50V	10nF	
C1208	ECUV1H103ZFX	S.M. CAP	50V	10nF	
C1214	ECUV1H103ZFX	S.M. CAP	50V	10nF	
C1216	ECEA1CKA101	ELECT	16V	100μF	
C1217	ECUV1H104ZFW	S.M. CAP	50V	100nF	
C1218	ECUV1H331KBX	S.M. CAP	50V	330pF	
C1221	ECQM1H104J	FILM	50V	100nF	
C1224	ECUV1H103ZFX	S.M. CAP	50V	10nF	
C1226	ECUV1H101JCX	S.M. CAP	50V	100pF	
C1227	ECUV1H471KBX	S.M. CAP	50V	470pF	
C1228	ECUV1H471JCX	S.M. CAP	50V	470pF	
C1231	ECUV1H101JCX	S.M. CAP	50V	100pF	
C1232	ECUV1H220JRX	S.M. CAP	50V	22pF	
C1234	ECUV1H471KBX	S.M. CAP	50V	470pF	
C1235	ECUV1H471KBX	S.M. CAP	50V	470pF	
C1236	ECUV1H471KBX	S.M. CAP	50V	470pF	
C1237	ECUV1H471KBX	S.M. CAP	50V	470pF	
C1238	ECUV1H471JCX	S.M. CAP	50V	470pF	
C1239	ECUV1H471JCX	S.M. CAP	50V	470pF	
C1240	ECUV1H103ZFX	S.M. CAP	50V	10nF	

Ref No.	Part No.		Description		
C1241	ECEA1HU2R2	ELECT	50V	2.2μF	
C1242	ECEA1HU2R2	ELECT	50V	2.2μF	
C1243	ECEA1HU4R7	ELECT	50V	4.7μF	
C1244	ECEA1HU2R2	ELECT	50V	2.2μF	
C1245	ECEA1HU2R2	ELECT	50V	2.2μF	
C1246	ECUV1H472KBX	S.M. CAP	50V	4.7nF	
C1247	ECUV1H181JCX	S.M. CAP	50V	180pF	
C1248	ECUV1H472KBX	S.M. CAP	50V	4.7nF	
C1249	ECUV1H223KBX	S.M. CAP	50V	22nF	
C1251	ECUV1H471JCX	S.M. CAP	50V	470pF	
C1252	ECEA1HU010	ELECT	50V	1μF	
C1253	ECEA1HU4R7	ELECT	50V	4.7μF	
C1255	ECUV1H560JCX	S.M. CAP	50V	56pF	
C1256	ECEA1HU2R2	ELECT	50V	2.2μF	
C1257	ECUV1H471JCX	S.M. CAP	50V	470pF	
C1258	ECUV1H471JCX	S.M. CAP	50V	470pF	
C1259	ECUV1H471JCX	S.M. CAP	50V	470pF	
C1261	ECUV1H471JCX	S.M. CAP	50V	470pF	
C1262	ECUV1H471JCX	S.M. CAP	50V	470pF	
C3101	ECEA1AU471	ELECT	10V	470μF	
C3104	ECEA1CU100	ELECT	16V	10μF	
C3115	ECUV1H103KBX	S.M. CAP	50V	10nF	
C3117	ECEA1AU101	ELECT	10V	100μF	
C3301	ECUV1H104ZFW	S.M. CAP	50V	100nF	
C3302	ECUV1H104ZFW	S.M. CAP	50V	100nF	
C3303	ECUV1H104ZFW	S.M. CAP	50V	100nF	
DIODES					
D201	MA29TA5	DIODE			
D251	PMILL4148L	DIODE			
D301	MA4091	DIODE			
D302	MA4091	DIODE			
D303	MA4091	DIODE			
D304	MA4022	DIODE			
D305	MA165TA5	DIODE			
D355	PMILL4148L	DIODE			
D356	PMILL4148L	DIODE			
D357	PMILL4148L	DIODE			
D358	PMILL4148L	DIODE			
D451	ERA15-02V3	DIODE			
D452	MA4360	DIODE			
D453	MA165TA5	DIODE			
D505	MA4360	DIODE			
D506	MA4075	DIODE			
D507	MA165TA5	DIODE			
D561	ERA22-02V3	DIODE			
D562	ERA22-02V3	DIODE			
D563	MA167TA5	DIODE			
D564	ERD32-02L7	DIODE			
D565	EU02	DIODE			
D602	MA4051	DIODE			
D604	PMILL4148L	DIODE			
D801	EM02BM	DIODE			
D802	EM02BM	DIODE			
D803	EM02BM	DIODE			
D804	EM02BM	DIODE			
D805	232266296319	THERMISTOR			
D806	AU02AV0	DIODE			
D807	K2NLFA1	DIODE			
D808	ERA15-02V3	DIODE			
D809	BYD31D-26MM	DIODE			
D810	ERA15-02V3	DIODE			
D811	BYD31D-26MM	DIODE			
D812	MA4051	DIODE			
D813	PC120FY	I.C.			
D816	BYD31D-26MM	DIODE			
D817	MA1033MTA	DIODE			
D818	ERA15-02V3	DIODE			
D820	TF341M-A-RL	THYRISTOR			

Ref No.	Part No.	Description
D821	AU02V0	
D822	PC120FY	I.C.
D851	RU2AMLFA1	DIODE
D852	AU02V0	
D854	MA4082	DIODE
D855	MA4051	DIODE
D856	AU02V0	
D1202	PMILL4148L	DIODE
D1203	LN81RPHL	DIODE
D1205	PMILL4148L	DIODE
D1207	PMILL4148L	DIODE
D1208	PMILL4148L	DIODE
D1209	PMILL4148L	DIODE
D1211	MA4082	DIODE
D1212	PMILL4148L	DIODE
D1214	PMILL4148L	DIODE
D1215	PMILL4148L	DIODE
D1217	PMILL4148L	DIODE
D3101	PMILL4148L	DIODE
D3102	MA4051	DIODE

INTEGRATED CIRCUITS

IC012	UPC574J	REGULATOR
IC1202	MN152811TBS	MICRO PROCESSOR
IC1203	MN1280R	RESET
IC1204	RPM-637CBRS1	LED RECEIVER
IC1205	ST24C02AB1	EEPROM
IC251	AN5265	AUDIO OUTPUT I.C.
IC451	TDA3653C	VERTICAL O/PUT I.C.
IC601	TDA8361	VIDEO PROCESSOR I.C.
IC602	TDA4662	DELAY LINE
IC801	STR51402-M	POWER SUPPLY REGULATOR
IC851	L78M05MRB	5V REGULATOR
IC852	L78M12MRB	12V REGULATOR

COILS

L011	EXCELSA35T	COIL
L012	ELESN8K2A	COIL
L103	TLI157X57	COIL
L104	EIV7EN190B	COIL
L207	ELEXT4R7KA	COIL
L301	ELESN100KA	COIL
L307	ELESN150KA	COIL
L351	ELESN181KA	COIL
L352	ELESN181KA	COIL
L353	ELESN181KA	COIL
L354	EXCELDR35V	COIL
L355	EXCELDR35V	COIL
L356	EXCELDR35V	COIL
L451	ELESN8K2A	COIL
L801	ELF18D450G	LINE FILTER
L854	EXCELSA35T	COIL
L1201	ELESN1R0KA	COIL
L1218	ELESN331KA	COIL
L1221	EXCELSA35T	COIL
L3106	ELC08D055	COIL

TRANSISTORS

Q102	BC847B	TRANSISTOR
Q202	BC847B	TRANSISTOR
Q251	BC847B	TRANSISTOR
Q301	BC847B	TRANSISTOR
Q351	2SC1473-RN	TRANSISTOR
Q352	2SC1473-RN	TRANSISTOR

Ref No.	Part No.	Description
Q353	2SC1473-RN	TRANSISTOR
Q356	BC857B	TRANSISTOR
Q501	2SD836-AL	TRANSISTOR
Q502	BC857B	TRANSISTOR
Q503	BC847B	TRANSISTOR
Q504	BC847B	TRANSISTOR
Q551	BU2506DFLB	TRANSISTOR
Q803	2SD1272QLB	TRANSISTOR
Q804	BC847B	TRANSISTOR
Q805	BC847B	TRANSISTOR
Q851	2SD1273PLB	TRANSISTOR
Q853	BC857B	TRANSISTOR
Q1201	BC857B	TRANSISTOR
Q1202	BC847B	TRANSISTOR
Q1203	BC847B	TRANSISTOR
Q1205	BC847B	TRANSISTOR
Q1206	BC847B	TRANSISTOR
Q1207	BC847B	TRANSISTOR
Q1208	UN2213TX	TRANSISTOR
Q1209	BC847B	TRANSISTOR
Q1211	BC847B	TRANSISTOR
Q1212	2SC3311ATA	TRANSISTOR
Q1213	BC847B	TRANSISTOR
Q1214	2SC3311ATA	TRANSISTOR
Q1240	BC847B	TRANSISTOR
Q3101	2SC1318-S	TRANSISTOR
Q3102	BC857B	TRANSISTOR
Q3103	BC847B	TRANSISTOR
Q3104	BC857B	TRANSISTOR
Q3105	BC847B	TRANSISTOR
Q3301	BC847B	TRANSISTOR
RESISTORS		
R011	ERJ6GEY0R00	WIRE LINK
R012	ERJ6GEY0R00	WIRE LINK
R015	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R016	ERG2SJS273	METAL 2W 5% 27KΩ
R101	ERJ6GEY0R00	WIRE LINK
R103	ERJ6GEY0R00	WIRE LINK
R107	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680Ω
R108	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5.6KΩ
R109	EVND4AA00B14	CONTROL 10KΩ
R111	ERJ6GEYJ122	S.M.CARB 0.1W 5% 1K2Ω
R112	ERJ6GEYJ334	S.M.CARB 0.1W 5% 330KΩ
R113	ERJ6GEYJ334	S.M.CARB 0.1W 5% 330KΩ
R114	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4.7KΩ
R115	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R116	ERJ6GEYJ183	S.M.CARB 0.1W 5% 18KΩ
R117	ERJ6GMYJ271	S.M.CARB 0.1W 5% 270Ω
R118	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R119	ERJ6GEYJ682	S.M.CARB 0.1W 5% 6K8Ω
R123	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R124	ERJ6GEYJ114	S.M.CARB 0.1W 5% 110KΩ
R204	ERJ6GEYJ182	S.M.CARB 0.1W 5% 1K8Ω
R205	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R207	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R208	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R209	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R216	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R232	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680Ω
R251	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R253	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R254	ERQ14AJ100	METAL 0.25W 5% 10Ω △
R255	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3Ω
R256	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R258	ERD25TJ102	CARBON 0.25W 5% 1KΩ
R259	ERQ1CJP120	METAL 1W 5% 12Ω △
R261	ERJ6GEYJ3R3	S.M.CARB 0.1W 5% 3.3Ω
R262	ERJ6GEYJ182	S.M.CARB 0.1W 5% 1K8Ω

X-21S1T/TC-21S1R
X-14S1T/TC-14S1R

Ref No.	Part No.	Description				
R263	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R301	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R302	ERQ14AJ470	METAL	0.25W	5%	47Ω	▲
R303	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω	
R304	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180Ω	
R305	ERDS1TJ391	CARBON	0.5W	5%	390Ω	
R306	EVNDCAA03B14	CONTROL			10KΩ	
R307	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5.6KΩ	
R308	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R309	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820Ω	
R310	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R311	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R312	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R313	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R314	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R315	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ	
R316	EVND4AA00B53	CONTROL			5KΩ	
R317	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39KΩ	
R318	ERJ6GEYJ913	S.M.CARB	0.1W	5%	91KΩ	
R319	ERJ6GEY0R00	WIRE LINK				
R320	ERD25TJ102	CARBON	0.25W	5%	1KΩ	
R351	ERG1SJ123	METAL	1W	5%	12KΩ	
R352	ERG1SJ123	METAL	1W	5%	12KΩ	
R353	ERG1SJ123	METAL	1W	5%	12KΩ	
R354	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150Ω	
R355	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390Ω	
R356	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150Ω	
R357	EVN65UA00B52	CONTROL			500Ω	
R358	EVN65UA00B52	CONTROL			500Ω	
R359	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820Ω	
R360	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820Ω	
R361	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820Ω	
R362	EVN65UA00B53	CONTROL			5KΩ	
R363	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R364	EVN65UA00B53	CONTROL			5KΩ	
R366	ERDS1TJ152	CARBON	0.5W	5%	1K5Ω	
R367	ERDS1TJ152	CARBON	0.5W	5%	1K5Ω	
R368	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R369	EVN65UA00B53	CONTROL			5KΩ	
R370	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R374	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ	
R375	ERDS1FJ152	CARBON	0.5W	5%	1K5Ω	▲
R376	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ	
R377	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390Ω	
R401	ERJ6GEYJ334	S.M.CARB	0.1W	5%	330KΩ	
R403	ERJ6GEYJ335	S.M.CARB	0.1W	5%	3M3Ω	
R451	ERJ6GEYJ432	S.M.CARB	0.1W	5%	4.3KΩ	
R452	ERJ6GEYJ432	S.M.CARB	0.1W	5%	4.3KΩ	
R455	ERG1SJ561	METAL	1W	5%	560Ω	
R456	ERDS1TJ471	CARBON	0.5W	5%	470Ω	
R457	ERDS1TJ331	CARBON	0.5W	5%	330Ω	
R458	ERG2SJ122	METAL	2W	5%	1K2Ω	
R459	ERDS1TJ222	CARBON	0.5W	5%	2K2Ω	
R461	ERDS1TJ432	CARBON	0.5W	5%	4K3Ω	
R462	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2Ω	
R463	ERJ6GEYJ432	S.M.CARB	0.1W	5%	4.3KΩ	
R464	ERDS1TJ2R2	CARBON	0.5W	5%	2.2Ω	
R465	EVNDCAA03B22	CONTROL			200Ω	
R466	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47Ω	
R467	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2Ω	
R468	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330Ω	
R469	ERJ6GEY0R00	WIRE LINK				
R501	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KΩ	
R502	EVND4AA00B14	CONTROL			10KΩ	
R503	ERJ6GEYJ824	S.M.CARB	0.1W	5%	820KΩ	
R504	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27KΩ	
R505	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω	
R506	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5.6KΩ	
R507	ERG2ANJ471	METAL	2W	5%	470Ω	
R508	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R509	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ	

Ref No.	Part No.	Description				
R512	ERJ6GEYJ474	S.M.CARB	0.1W	5%	470KΩ	
R513	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33KΩ	
R514	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4.7KΩ	
R516	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R518	ERD25TJ103	CARBON	0.25W	5%	10KΩ	
R519	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7Ω	
R520	ERQ12HJ1R0	METAL	0.5W	5%	1R0Ω	▲
R521	ERQ2CJP8R2	METAL	2W	5%	8R2Ω	▲
R522	ERQ12HJ1R2	METAL	0.5W	5%	1R2Ω	▲
R551	ERDS1TJ1R8	CARBON	0.5W	5%	1R8Ω	
R552	ERDS1TJ1R5	CARBON	0.5W	5%	1R5Ω	
R564	ERQ12HJU1R5	METAL	0.5W	5%	1R5Ω	▲
R566	ERD25TJ304	CARBON	0.25W	5%	300KΩ	
R567	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8.2KΩ	
R568	ERQ12HJ8R2	METAL	0.5W	5%	8R2Ω	▲
R571	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2Ω	
R572	ERD25TJ272	CARBON	0.25W	5%	2K7Ω	
R601	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ	
R607	EVND4AA00B14	CONTROL			10KΩ	
R608	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3Ω	
R616	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ	
R622	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5.6KΩ	
R623	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ	
R624	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3Ω	
R625	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ	
R801	ERF5ZK2R7	WOUND	5W	20%	2.7Ω	▲
R802	ERDS1TJ184	CARBON	0.5W	5%	180K	
R803	ERDS1TJ561	CARBON	0.5W	5%	560Ω	
R804	ERD25TJ561	CARBON	0.25W	5%	560Ω	
R805	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560Ω	
R806	ERX1SJ8R2	METAL	0.5W	5%	8R2Ω	
R807	ERC12ZGK335D	SOLID	0.5W	10%	3M3Ω	
R809	TSF19401	FS LINK				
R810	ERDS1TJ104	CARBON	0.5W	5%	100KΩ	
R811	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3Ω	
R812	ERQ12HJ330	METAL	0.5W	5%	33Ω	▲
R813	ERDS1TJ334	CARBON	0.5W	5%	330KΩ	
R814	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ	
R815	ERD75TAJ825	CARBON	0.75W	5%	8M2Ω	▲
R816	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ	
R817	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R818	ERDS1TJ154	CARBON	0.5W	5%	150K	
R819	ERDS1TJ124	CARBON	0.5W	5%	120KΩ	
R821	ERDS1TJ334	CARBON	0.5W	5%	330KΩ	
R822	ERG2ANJ683	METAL	2W	5%	68KΩ	
R823	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4.7KΩ	
R824	ERDS1TJ683	CARBON	0.5W	5%	68KΩ	
R825	ERDS1TJ683	CARBON	0.5W	5%	68KΩ	
R826	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ	
R827	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω	
R828	ERW12PKR33	WOUND	0.5W	10%	0R33Ω	▲
R854	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R855	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω	
R856	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680Ω	
R858	ERJ6GEYJ182	S.M.CARB	0.1W	5%	1K8Ω	
R1151	ERJ6GEY0R00	WIRE LINK				
R1152	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω	
R1201	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ	
R1202	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KΩ	
R1203	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10Ω	
R1204	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ	
R1205	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33KΩ	
R1206	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5.6KΩ	
R1207	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5Ω	
R1208	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ	
R1209	ERJ6GMYJ271	S.M.CARB	0.1W	5%	270Ω	
R1210	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5Ω	
R1211	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5.6KΩ	
R1213	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ	
R1214	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ	

Ref No.	Part No.	Description		
R1216	ERJ6ENF4871	S.M.CARB	0.1W	1% 4K87Ω
R1217	ERJ6ENF3161	S.M.CARB	0.1W	1%3K16Ω
R1218	ERJ6ENF2371	S.M.CARB	0.1W	1%2K37Ω
R1219	ERJ6ENF2371	S.M.CARB	0.1W	1%2K37Ω
R1220	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1221	ERJ6ENF1002	S.M.CARB	0.1W	1% 10KΩ
R1222	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1223	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1224	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1225	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1226	ERJ6GEYJ123	S.M.CARB	0.1W	5% 12KΩ
R1227	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1228	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1229	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R1230	ERJ6GEY0R00	WIRE LINK		
R1231	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1232	ERJ6GEYJ392	S.M.CARB	0.1W	5% 3K9Ω
R1233	ERJ6GEYJ102	S.M.CARB	0.1W	5% 1KΩ
R1234	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1235	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1236	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R1237	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R1238	ERJ6GEYJ104	S.M.CARB	0.1W	5% 100KΩ
R1239	ERJ6GEYJ564	S.M.CARB	0.1W	5% 560KΩ
R1240	ERJ6GEY0R00	WIRE LINK		
R1241	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R1242	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R1243	ERJ6GEYJ752	S.M.CARB	0.1W	5% 7.5KΩ
R1244	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R1245	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1246	ERJ6GEYJ122	S.M.CARB	0.1W	5% 1K2Ω
R1247	ERJ6GEY0R00	WIRE LINK		
R1248	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R1249	ERJ6GEY0R00	WIRE LINK		
R1250	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1251	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1252	ERJ6GEYJ822	S.M.CARB	0.1W	5% 8.2KΩ
R1253	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω
R1254	ERJ6GEY0R00	WIRE LINK		
R1255	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R1256	ERJ6GEYJ183	S.M.CARB	0.1W	5% 18KΩ
R1257	ERJ6GEYJ472	S.M.CARB	0.1W	5% 4.7KΩ
R1258	ERJ6GEYJ822	S.M.CARB	0.1W	5% 8.2KΩ
R1259	ERJ6GEYJ562	S.M.CARB	0.1W	5% 5.6KΩ
R1260	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1261	ERJ6GEYJ472	S.M.CARB	0.1W	5% 4.7KΩ
R1262	ERJ6GEYJ123	S.M.CARB	0.1W	5% 12KΩ
R1263	ERJ6GEYJ563	S.M.CARB	0.1W	5% 56KΩ
R1264	ERJ6GEYJ681	S.M.CARB	0.1W	5% 680Ω
R1266	ERJ6GEYJ222	S.M.CARB	0.1W	5% 2K2Ω
R1267	ERJ6GEYJ222	S.M.CARB	0.1W	5% 2K2Ω
R1268	ERJ6GEYJ223	S.M.CARB	0.1W	5% 22KΩ
R1269	ERJ6GEYJ392	S.M.CARB	0.1W	5% 3K9Ω
R1270	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1271	ERJ6GEYJ392	S.M.CARB	0.1W	5% 3K9Ω
R1272	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω
R1273	ERJ6GEYJ473	S.M.CARB	0.1W	5% 47KΩ
R1275	ERJ6GEYJ104	S.M.CARB	0.1W	5% 100KΩ
R1276	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R1277	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R1282	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1287	ERJ6GEYJ473	S.M.CARB	0.1W	5% 47KΩ
R1288	ERJ6GEYJ563	S.M.CARB	0.1W	5% 56KΩ
R1289	ERJ6GEYJ102	S.M.CARB	0.1W	5% 1KΩ
R1291	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R1292	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R1293	ERJ6GEYJ153	S.M.CARB	0.1W	5% 15KΩ
R1294	ERJ6GEY0R00	WIRE LINK		

Ref No.	Part No.	Description		
R1296	ERJ6GEY0R00	WIRE LINK		
R1299	ERJ6GEY0R00	WIRE LINK		
R3101	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R3102	ERJ6GEYJ750	S.M.CARB	0.1W	5% 75Ω
R3103	ERJ6GEYJ272	S.M.CARB	0.1W	5% 2K7Ω
R3105	ERDS1TJ101	CARBON	0.5W	5% 500Ω
R3106	ERDS1TJ750	CARBON	0.5W	5% 75Ω
R3108	ERJ6GEYJ101	S.M.CARB	0.1W	5% 100Ω
R3109	ERJ6GEYJ750	S.M.CARB	0.1W	5% 75Ω
R3112	ERJ6GEYJ750	S.M.CARB	0.1W	5% 75Ω
R3115	ERJ6GEYJ750	S.M.CARB	0.1W	5% 75Ω
R3116	ERJ6GEYJ750	S.M.CARB	0.1W	5% 75Ω
R3117	ERJ6GEYJ102	S.M.CARB	0.1W	5% 1KΩ
R3118	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R3119	ERJ6GEYJ822	S.M.CARB	0.1W	5% 8.2KΩ
R3120	ERJ6GEYJ103	S.M.CARB	0.1W	5% 10KΩ
R3121	ERJ6GEYJ221	S.M.CARB	0.1W	5% 220Ω
R3122	ERJ6GEYJ104	S.M.CARB	0.1W	5% 100KΩ
R3123	ERJ6GEYJ393	S.M.CARB	0.1W	5% 39KΩ
R3124	ERJ6GEYJ562	S.M.CARB	0.1W	5% 5.6KΩ
R3125	ERJ6GEYJ562	S.M.CARB	0.1W	5% 5.6KΩ
R3126	ERJ6GEYJ273	S.M.CARB	0.1W	5% 27KΩ
R3127	ERJ6GEYJ221	S.M.CARB	0.1W	5% 220Ω
R3128	ERJ6GEYJ221	S.M.CARB	0.1W	5% 220Ω
R3131	ERJ6GEYJ562	S.M.CARB	0.1W	5% 5.6KΩ
R3132	ERJ6GEYJ562	S.M.CARB	0.1W	5% 5.6KΩ
R3134	ERJ6GEYJ222	S.M.CARB	0.1W	5% 2K2Ω
R3137	ERJ6GEY0R00	WIRE LINK		
R3301	ERJ6GEYJ102	S.M.CARB	0.1W	5% 1KΩ
R3302	ERJ6GEYJ331	S.M.CARB	0.1W	5% 330Ω
R3303	ERJ6GEYJ331	S.M.CARB	0.1W	5% 330Ω
R3304	ERJ6GEYJ331	S.M.CARB	0.1W	5% 330Ω
R3305	ERJ6GEY0R00	WIRE LINK		
R3306	ERJ6GEYJ471	S.M.CARB	0.1W	5% 470Ω
R3308	ERJ6GEYJ221	S.M.CARB	0.1W	5% 220Ω
R3309	ERJ6GEYJ223	S.M.CARB	0.1W	5% 22KΩ
R3310	ERJ6GEYJ223	S.M.CARB	0.1W	5% 22KΩ

SWITCHES

S301	EVQRBAL10	SWITCH
S451	EVQRDSL12	SWITCH
S801	ESB91232A	SWITCH
S1202	EVQPB105K	SWITCH
S1203	EVQPB105K	SWITCH
S1204	EVQPB105K	SWITCH
S1205	EVQPB105K	SWITCH
S1206	EVQPB105K	SWITCH

▲

TRANSFORMERS

T201	EIS7ES710B	TRANSFORMER
T551	TLH15460M	COIL
T552	TLF15638F	FLYBACK TRANSFORMER
T801	ETS35AA1S7AC	TRANSFORMER

▲

FILTERS

X101	F1045A	FILTER
X203	EFC56R0MS5	FILTER
X301	EFC56R0MW3	FILTER
X601	TSS116M1	CRYSTAL
X1201	EFOGC6004A4	FILTER

PARTS LIST DIFFERENCES FOR TX-14S1T

Ref No.	Part No.	Description			
MISCELLANEOUS COMPONENTS					
12)	TBM8E1344	REAR COVER LABEL			
13)	TNP8EE004AD	E P.C.B.	▲		
14)	TNP8ET001AA	T P.C.B.	▲		
15)	TNQ8E0461	REMOTE CONTROL			
CAPACITORS					
C562	ECEA2EGE100	ELECT	250V	10μF	
C3501	ECEA1CU470	ELECT	16V	47μF	
C3502	ECUV1H104ZFW	S.M. CAP	50V	100nF	
C3503	ECUV1H103ZFX	S.M. CAP	50V	10nF	
C3504	ECUV1H221JX	S.M. CAP	50V	220pF	
C3505	ECUV1H150JCX	S.M. CAP	50V	15pF	
C3506	ECUV1H221JX	S.M. CAP	50V	220pF	
C3507	ECUV1H150JCX	S.M. CAP	50V	15pF	
C3508	ECEA1CN100	ELECT	16V	10μF	
C3509	ECEA1CU471	ELECT	16V	470μF	
C3510	ECUV1H103ZFX	S.M. CAP	50V	10nF	
C3511	ECEA1CN100	ELECT	16V	10μF	
C3512	ECEA1CN100	ELECT	16V	10μF	
C3513	ECUV1H104ZFW	S.M. CAP	50V	100nF	
C3514	ECEA1CU470	ELECT	16V	47μF	
C3515	ECEA1CN100	ELECT	16V	10μF	
C3516	ECEA1HU2R2	ELECT	50V	2.2μF	
C3517	ECUV1H104ZFW	S.M. CAP	50V	100nF	
C3519	ECEA1CN220	ELECT	16V	22μF	
C3520	ECUV1H103ZFX	S.M. CAP	50V	10nF	
C3521	ECEA0JU101	ELECT	6.3V	100μF	
C3523	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C3524	ECUV1H103ZFX	S.M. CAP	50V	10nF	
C3526	ECUV1H103ZFX	S.M. CAP	50V	10nF	
C3527	ECEA1AU221	ELECT	10V	220μF	
C3531	ECUV1H104ZFW	S.M. CAP	50V	100nF	
C3532	ECUV1H104ZFW	S.M. CAP	50V	100nF	
C3533	ECUV1H104ZFW	S.M. CAP	50V	100nF	
C3534	ECEA1CU101	ELECT	16V	100μF	
C3535	ECUV1H103ZFX	S.M. CAP	50V	10nF	
C3536	ECUV1H104ZFW	S.M. CAP	50V	100nF	
C3537	ECUV1H104ZFW	S.M. CAP	50V	100nF	
C3538	ECUV1H104ZFW	S.M. CAP	50V	100nF	
C3539	ECEA1CU100	ELECT	16V	10μF	
C3540	ECEA1CN470	ELECT	16V	47μF	
C3541	ECEA1CU471	ELECT	16V	470μF	
C3542	ECEA1CU221	ELECT	16V	220μF	
C3543	ECUV1H104ZFW	S.M. CAP	50V	100nF	
C3544	ECUV1H103ZFX	S.M. CAP	50V	10nF	
C3545	ECUV1H470JCX	S.M. CAP	50V	47pF	
C3577	ECUV1H223KBX	S.M. CAP	50V	22nF	
DIODES					
D857	MA4200	DIODE			
D3503	MA165TA5	DIODE			
D3505	MA165TA5	DIODE			
D3506	MA165TA5	DIODE			
D3507	MA165TA5	DIODE			
D3508	MA165TA5	DIODE			
D3509	MA165TA5	DIODE			
D3510	MA165TA5	DIODE			
D3515	MA165TA5	DIODE			
D3517	PMLL4148L	DIODE			
D3518	PMLL4148L	DIODE			

Ref No.	Part No.	Description			
INTEGRATED CIRCUITS					
IC3501	CF72306	TELETEXT PROCESSOR			
IC3502	CF70205ANW	TELETEXT CONTROL			
IC3503	L78M05MRB	5V REGULATOR			
IC3504	LA7222-TV	SWITCHING			
IC3505	AN5862K	SWITCHING			
IC3506	MN1280R	RESET			
COILS					
L3501	ELESN100KA	COIL			
L3503	ELESN100KA	COIL			
L3504	ELESN100KA	COIL			
L3505	ELESN100KA	COIL			
TRANSISTORS					
Q3503	BC847B	TRANSISTOR			
Q3504	BC847B	TRANSISTOR			
Q3505	BC847B	TRANSISTOR			
Q3506	BC847B	TRANSISTOR			
Q3508	BC857B	TRANSISTOR			
Q3509	BC847B	TRANSISTOR			
Q3510	BC847B	TRANSISTOR			
Q3511	UN2213TX	TRANSISTOR			
Q3512	2SD601ATX	TRANSISTOR			
Q3513	BC847B	TRANSISTOR			
Q3514	BC847B	TRANSISTOR			
RESISTORS					
R517	ERG3SJS101	METAL	3W	5%	10Ω
R602	ERG2SJS470	METAL	2W	5%	47Ω
R1298	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5Ω
R3501	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R3502	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R3503	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R3504	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R3505	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5.6KΩ
R3506	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R3507	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R3508	ERQ14AJ100	METAL	0.25W	5%	10Ω
R3509	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R3510	ERJ6GEY0R00	WIRE LINK			
R3513	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R3514	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R3515	EVND4AA00B24	CONTROL			20KΩ
R3516	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KΩ
R3517	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R3521	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ
R3522	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3523	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3524	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3Ω
R3525	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47Ω
R3526	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47Ω
R3527	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47Ω
R3529	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R3530	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5Ω
R3531	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5Ω
R3532	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5Ω
R3534	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180Ω
R3535	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180Ω
R3536	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180Ω
R3537	ERD25TJ102	CARBON	0.25W	5%	1KΩ

Ref No.	Part No.	Description			
R3538	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680Ω
R3539	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R3540	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R3541	ERD25TJ682	CARBON	0.25W	5%	6K8Ω
R3543	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R3544	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R3545	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R3546	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3547	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3548	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3549	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3550	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3551	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3552	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3553	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R3554	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120Ω
R3555	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180Ω
R3556	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KΩ
R3557	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330Ω
R3558	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560Ω

Ref No.	Part No.	Description			
R3559	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560Ω
R3560	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R3561	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R3562	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8.2KΩ
R3563	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18KΩ
R3564	ERJ6GEYJ242	S.M.CARB	0.1W	5%	2K4Ω
R3565	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3566	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R3569	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R3571	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ
R3572	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ
R3575	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R3576	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R3577	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ

FILTERS

X3501 TSS2004-M CRYSTAL

PARTS LIST DIFFERENCES FOR TC-14S1R

Ref No.	Part No.	Description			
MISCELLANEOUS COMPONENTS					
12)	TBM8E1347	REAR COVER LABEL			
13)	TNP8EE004AF	E P.C.B.			▲
16)	TNQ8E0460	REMOTE CONTROL			

Ref No.	Part No.	Description			
RESISTORS					
	R1215	ERO25CKF9531	METAL	0.25W	1%9K53Ω ▲

PARTS COMMON TO TX-21S1T AND TC-21S1R

Ref No.	Part No.	Description
MISCELLANEOUS COMPONENTS		
	TPC8E4415	OUTER CARTON
	TPD8E576	TOP CUSIO N
	TPD8E577	BOTTOM CUSHION
	UM-3DEP-2P	BATTERY
01)	A51KSV43X13	C.R.T.
02)	EASG12D531A2	SPEAKER
03)	TBX8E019	KEY BUTTON
04)	TBX8E018	POWER BUTTON
05)	THT1009R	CRT FIXING
06)	TKP8E1104	SMOKED PANEL
07)	TKU8E00145	REAR COVER
08)	TKY8E029	CABINET
09)	TLK8E05106	COIL
10)	TNP8EY008AA	Y P.C.B.
11)	TSX8E0012	MAINS LEAD
15)	TNQ8E0461	REMOTE CONTROL
17)	TMZ8E001	CHASSIS RAIL (RIGHT)
18)	TMZ8E002	CHASSIS RAIL (LEFT)
	TS-2100	T.V. STAND
F801	2153.15H	FUSE.
JK3101	TJS8E003	SCART SOCKET
JK3102	TJB16663	A.V. TERMINAL
TNR1	ENV87877G3	TUNER
	TBM153022	PANASONIC BADGE
	TKK8E020	A.V. TERMINAL COVER
CAPACITORS		
C011	ECQM1H104J	FILM 50V 100nF
C012	ECUV1H103ZFX	S.M. CAP 50V 10nF
C013	ECEA1HU010	ELECT 50V 1μF
C014	ECUV1H103ZFX	S.M. CAP 50V 10nF
C017	ECUV1H103ZFX	S.M. CAP 50V 10nF
C018	ECEA1CU100	ELECT 16V 10μF
C019	ECUV1H103ZFX	S.M. CAP 50V 10nF
C021	ECUV1H080DCX	S.M. CAP 50V 80pF
C104	ECUV1H103ZFX	S.M. CAP 50V 10nF
C107	ECUV1H104ZFW	S.M. CAP 50V 100nF
C108	ECEA1HU2R2	ELECT 50V 2.2μF
C109	ECUV1H104ZFX	S.M. CAP 50V 100nF
C111	ECUV1H180JRX	S.M. CAP 50V 18pF
C112	ECUV1H223ZFX	S.M. CAP 50V 22nF
C116	ECUV1H101JCX	S.M. CAP 50V 100pF
C206	ECUV1H332KBW	S.M. CAP 50V 3.3nF
C208	ECEA1HU2R2	ELECT 50V 2.2μF
C209	ECEA1CU100	ELECT 16V 10μF
C211	ECUV1H102KBX	S.M. CAP 50V 1nF
C214	ECEA1HU2R2	ELECT 50V 2.2μF
C215	ECUV1H223ZFX	S.M. CAP 50V 22nF
C225	ECUV1H030CCX	S.M. CAP 50V 30pF
C228	ECUV1H390JCX	S.M. CAP 50V 39pF
C233	ECEA1CU220	ELECT 16V 22μF
C251	ECEA1CU471	ELECT 16V 470μF
C252	ECUV1H153ZFX	S.M. CAP 50V 15nF
C254	ECEA1EU101	ELECT 25V 100μF
C257	222236516154	FILM 160V 150nF
C261	ECUV1H104ZFW	S.M. CAP 50V 100nF
C263	ECEA1HU2R2	ELECT 50V 2.2μF
C301	ECEA1CU100	ELECT 16V 10μF
C302	ECUV1H104ZFW	S.M. CAP 50V 100nF
C303	ECUV1H223ZFX	S.M. CAP 50V 22nF
C304	ECEA1AU331	ELECT 10V 330μF
C306	ECUV1H473ZFX	S.M. CAP 50V 47nF
C308	ECUV1H473ZFX	S.M. CAP 50V 47nF

Ref No.	Part No.	Description
C309	ECEA1CU100	ELECT 16V 10μF
C311	ECUV1H103ZFX	S.M. CAP 50V 10nF
C312	ECEA1AU471	ELECT 10V 470μF
C313	ECUV1H103ZFX	S.M. CAP 50V 10nF
C351	ECUV1H471KBX	S.M. CAP 50V 470pF
C352	ECUV1H561KBX	S.M. CAP 50V 560pF
C353	ECUV1H471KBX	S.M. CAP 50V 470pF
C355	ECKC3D152J	CERAMIC 2KV 1.5nF ▲
C357	ECKC2H152J	CERAMIC 500V 1.5nF ▲
C358	ECEA1HU220	ELECT 50V 22μF
C360	ECEA1CU101	ELECT 16V 100μF
C362	ECUV1H102ZFX	S.M. CAP 50V 1nF
C368	ECEA2EU010	ELECT 250V 1μF
C369	ECEA1HUR47	ELECT 50V 0.47μF
C401	ECQM1H104J	FILM 50V 100nF
C402	ECUV1H471JCX	S.M. CAP 50V 470pF
C451	ECUV1H153ZFX	S.M. CAP 50V 15nF
C452	ECKC2H471J	CERAMIC 500V 470pF ▲
C454	ECQB1H102J	FILM 50V 1nF
C455	ECEA1HU101	ELECT 50V 100μF
C457	ECEA1EU222	ELECT 25V 2200μF
C459	ECEA1EU330	ELECT 25V 33μF
C501	ECUV1H472KBX	S.M. CAP 50V 4.7nF
C502	ECEA1HU010	ELECT 50V 1μF
C503	ECUV1H222KBX	S.M. CAP 50V 2.2nF
C504	ECUV1H821JCX	S.M. CAP 50V 820pF
C505	ECQM1273KZW	FILM 100V 27nF
C506	ECEA1JU100	ELECT 63V 10μF
C508	ECEA1CU100	ELECT 16V 10μF
C512	ECKC2H222J	CERAMIC 500V 2200pF ▲
C553	ECWH12H822J	CERAMIC 500V 8.2nF ▲
C554	ECQM4333JC	FILM 400V 33nF
C556	ECKC3D152J	CERAMIC 2KV 1.5nF ▲
C561	ECKC2H471J	CERAMIC 500V 470pF ▲
C563	ECKC2H471J	CERAMIC 500V 470pF ▲
C564	ECEA1EU471	ELECT 25V 470μF
C566	ECKC2H471J	CERAMIC 500V 470pF ▲
C567	ECKC2H561J	CERAMIC 500V 560pF ▲
C568	ECEA1VU101	ELECT 35V 100μF
C569	ECEA1VU471	ELECT 35V 470μF
C571	ECUV1H223KBX	S.M. CAP 50V 22nF
C572	ECQE1223JF3	FILM 100V 22nF
C601	ECUV1H222KBX	S.M. CAP 50V 2.2nF
C602	ECUV1H150JRX	S.M. CAP 50V 15pF
C604	ECUV1H392KBX	S.M. CAP 50V 3.9nF
C605	ECQB1H104J	FILM 50V 100nF
C606	ECUV1H104ZFW	S.M. CAP 50V 100nF
C607	ECUV1H104ZFW	S.M. CAP 50V 100nF
C608	ECUV1H223ZFX	S.M. CAP 50V 22nF
C609	ECEA1AU470	ELECT 10V 47μF
C611	ECUV1H102KBX	S.M. CAP 50V 1nF
C612	ECUV1H102KBX	S.M. CAP 50V 1nF
C613	ECUV1H223ZFX	S.M. CAP 50V 22nF
C620	ECUV1H103ZFX	S.M. CAP 50V 10nF
C622	ECEA1AU102	ELECT 10V 1000μF
C626	ECUV1H470JCX	S.M. CAP 50V 47pF
C627	ECUV1H470JCX	S.M. CAP 50V 47pF
C802	ECQU2A473MN	FILM 200V 47nF ▲
C803	ECKC2H472J	CERAMIC 500V 4.7nF ▲
C804	ECKC2H472J	CERAMIC 500V 4.7nF ▲
C805	ECKC2H472J	CERAMIC 500V 4.7nF ▲
C806	ECKC2H472J	CERAMIC 500V 4.7nF ▲
C807	ECES2GG101	ELECT 400V 100μF ▲
C808	ECKC2H471J	CERAMIC 500V 470pF ▲
C809	ECEA1AU330	ELECT 10V 33μF
C812	ECKC3D152J	CERAMIC 2KV 1.5nF ▲
C813	ECEA1AU221	ELECT 10V 220μF

Ref No.	Part No.	Description			
C814	ECA2CGE221	ELECT	160V	220μF	
C817	ECKCNS102J	CERAMIC	1.2KV	1nF	▲
C818	ECEA2EU2R2	ELECT	250V	2.2μF	
C821	ECQM2A104KZ	FILM	250V	100nF	
C822	ECQM1H104J	FILM	50V	100nF	
C823	ECKC2H103J	CERAMIC	50V	10nF	▲
C824	ECKC3D152J	CERAMIC	2KV	1.5nF	▲
C851	ECKC2H471J	CERAMIC	500V	470pF	▲
C852	ECEA1EU102	ELECT	25V	1000μF	
C853	ECUV1H103ZFX	S.M. CAP	50V	10nF	
C854	ECEA0JU101	ELECT	6.3V	100μF	
C855	ECKC2H471J	CERAMIC	500V	470pF	▲
C857	ECEA1AU471	ELECT	10V	470μF	
C1204	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C1206	ECEA0JU471	ELECT	6.3V	470μF	
C1207	ECUV1H103ZFX	S.M. CAP	50V	10nF	
C1208	ECUV1H103ZFX	S.M. CAP	50V	10nF	
C1214	ECUV1H103ZFX	S.M. CAP	50V	10nF	
C1216	ECEA1CKA101	ELECT	16V	100μF	
C1217	ECUV1H104ZFW	S.M. CAP	50V	100nF	
C1218	ECUV1H331KBX	S.M. CAP	50V	330pF	
C1221	ECQM1H104J	FILM	50V	100nF	
C1224	ECUV1H103ZFX	S.M. CAP	50V	10nF	
C1227	ECUV1H471KBX	S.M. CAP	50V	470pF	
C1231	ECUV1H101JCX	S.M. CAP	50V	100pF	
C1232	ECUV1H220JRX	S.M. CAP	50V	22pF	
C1234	ECUV1H471KBX	S.M. CAP	50V	470pF	
C1235	ECUV1H471KBX	S.M. CAP	50V	470pF	
C1236	ECUV1H471KBX	S.M. CAP	50V	470pF	
C1237	ECUV1H471KBX	S.M. CAP	50V	470pF	
C1240	ECUV1H103ZFX	S.M. CAP	50V	10nF	
C1241	ECEA1HU2R2	ELECT	50V	2.2μF	
C1242	ECEA1HU2R2	ELECT	50V	2.2μF	
C1243	ECEA1HU4R7	ELECT	50V	4.7μF	
C1244	ECEA1HU2R2	ELECT	50V	2.2μF	
C1245	ECEA1HU2R2	ELECT	50V	2.2μF	
C1246	ECUV1H472KBX	S.M. CAP	50V	4.7nF	
C1247	ECUV1H181JCX	S.M. CAP	50V	180pF	
C1248	ECUV1H472KBX	S.M. CAP	50V	4.7nF	
C1249	ECUV1H223KBX	S.M. CAP	50V	22nF	
C1252	ECEA1HU010	ELECT	50V	1μF	
C1253	ECEA1HU4R7	ELECT	50V	4.7μF	
C1255	ECUV1H560JCX	S.M. CAP	50V	56pF	
C1256	ECEA1HU2R2	ELECT	50V	2.2μF	
C1263	ECEA1CU100	ELECT	16V	10μF	
C3101	ECEA1AU471	ELECT	10V	470μF	
C3104	ECEA1CU100	ELECT	16V	10μF	
C3115	ECUV1H102KBX	S.M. CAP	50V	1nF	
C3301	ECUV1H104ZFW	S.M. CAP	50V	100nF	
C3302	ECUV1H104ZFW	S.M. CAP	50V	100nF	
C3303	ECUV1H104ZFW	S.M. CAP	50V	100nF	

Ref No.	Part No.	Description	
DIODES			
D201	MA29TA5	DIODE	
D251	PMIL4148L	DIODE	
D301	MA4091	DIODE	
D302	MA4091	DIODE	
D303	MA4091	DIODE	
D304	MA4022	DIODE	
D355	PMIL4148L	DIODE	
D356	PMIL4148L	DIODE	
D357	PMIL4148L	DIODE	
D358	PMIL4148L	DIODE	
D451	ERA15-02V3	DIODE	
D452	MA4360	DIODE	
D453	MA165TA5	DIODE	
D505	MA4360	DIODE	
D506	MA4075	DIODE	
D507	MA165TA5	DIODE	
D551	ERD07-15L7	DIODE	
D552	RU2AMLFA1	DIODE	
D561	ERA22-02V3	DIODE	
D562	ERA22-02V3	DIODE	
D563	MA167TA5	DIODE	
D564	ERD32-02L7	DIODE	
D565	EU02	DIODE	
D602	MA4051	DIODE	
D604	PMIL4148L	DIODE	
D801	EM02BM	DIODE	
D802	EM02BM	DIODE	
D803	EM02BM	DIODE	
D804	EM02BM	DIODE	
D805	232266296319	THERMISTOR	
D806	AU02AV0	DIODE	
D807	K2NLFA1	DIODE	
D808	ERA15-02V3	DIODE	
D809	BYD31D-26MM	DIODE	
D810	ERA15-02V3	DIODE	
D811	BYD31D-26MM	DIODE	
D812	MA4062	DIODE	
D813	PC120FY	I.C.	
D816	BYD31D-26MM	DIODE	
D818	ERA15-02V3	DIODE	
D821	AU02V0		
D851	RU2AMLFA1	DIODE	
D852	AU02V0		
D854	MA4082	DIODE	
D856	AU02V0		
D1202	PMIL4148L	DIODE	
D1203	LN81RPHL	DIODE	
D1205	PMIL4148L	DIODE	
D1207	PMIL4148L	DIODE	
D1208	PMIL4148L	DIODE	
D1209	PMIL4148L	DIODE	
D1211	MA4082	DIODE	
D1212	PMIL4148L	DIODE	
D1214	PMIL4148L	DIODE	
D1215	PMIL4148L	DIODE	
D1217	PMIL4148L	DIODE	
D3101	PMIL4148L	DIODE	
D3102	MA4051	DIODE	
INTEGRATED CIRCUITS			
IC012	UPC574J	REGULATOR	
IC1202	MN152811TBS	MICRO PROCESSOR	
IC1203	MN1280R	RESET	
IC1205	ST24C02AB1	EEPROM	
IC251	AN5265	AUDIO OUTPUT I.C.	
IC451	TDA3654	VERTICAL OUT I.C.	
IC601	TDA8361	VIDEO PROCESSOR	

Ref No.	Part No.	Description
IC602	TDA4662	DELAY LINE
IC801	STR51424-M	POWER SUPPLY REGULATOR
IC851	L78M05MRB	5V REGULATOR
IC852	L78M12MRB	12V REGULATOR
COILS		
L011	EXCELSA35T	COIL
L012	ELESN8K2A	COIL
L103	TLI157X57	COIL
L104	EIV7EN190B	COIL
L207	ELEXT4R7KA	COIL
L351	ELESN181KA	COIL
L352	ELESN181KA	COIL
L353	ELESN181KA	COIL
L354	EXCELDR35V	COIL
L355	EXCELDR35V	COIL
L356	EXCELDR35V	COIL
L451	ELESN8K2A	COIL
L552	ELH16F784	COIL
L553	ELH5L401	COIL
L801	ELF18D450G	LINE FILTER
L854	EXCELSA35T	COIL
L1201	ELESN1R0KA	COIL
L1218	ELESN331KA	COIL
L1221	EXCELSA35T	COIL
L3106	ELC08D055	COIL
TRANSISTORS		
Q102	BC847B	TRANSISTOR
Q202	BC847B	TRANSISTOR
Q251	BC847B	TRANSISTOR
Q301	BC847B	TRANSISTOR
Q351	2SC2923-RL	TRANSISTOR
Q352	2SC2923-RL	TRANSISTOR
Q353	2SC2923-RL	TRANSISTOR
Q356	BC857B	TRANSISTOR
Q501	2SD836-AL	TRANSISTOR
Q502	BC857B	TRANSISTOR
Q503	BC847B	TRANSISTOR
Q504	BC847B	TRANSISTOR
Q551	BU2506DFLB	TRANSISTOR
Q803	2SD1272QLB	TRANSISTOR
Q804	BC847B	TRANSISTOR
Q805	BC847B	TRANSISTOR
Q853	BC857B	TRANSISTOR
Q1201	BC857B	TRANSISTOR
Q1202	BC847B	TRANSISTOR
Q1203	BC847B	TRANSISTOR
Q1205	BC847B	TRANSISTOR
Q1206	BC847B	TRANSISTOR
Q1207	BC847B	TRANSISTOR
Q1208	UN2213TX	TRANSISTOR
Q1209	BC847B	TRANSISTOR
Q1210	2SD965-R	TRANSISTOR
Q1211	BC847B	TRANSISTOR
Q1212	2SC3311ATA	TRANSISTOR
Q1213	BC847B	TRANSISTOR
Q1214	2SC3311ATA	TRANSISTOR
Q3101	2SC1318-S	TRANSISTOR
Q3102	BC857B	TRANSISTOR
Q3103	BC847B	TRANSISTOR
Q3104	BC857B	TRANSISTOR
Q3105	BC847B	TRANSISTOR
Q3301	BC847B	TRANSISTOR

Ref No.	Part No.	Description			
RESISTORS					
R016	ERG2SJS273	METAL	2W	5%	27KΩ
R109	EVND4AA00B14	CONTROL			10KΩ
R254	ERQ14AJ100	METAL	0.25W	5%	10Ω △
R259	ERQ1CJP120	METAL	1W	5%	12Ω △
R302	ERQ14AJ470	METAL	0.25W	5%	47Ω △
R305	ERDS1TJ391	CARBON	0.5W	5%	390Ω
R306	EVNDCAA03B14	CONTROL			10KΩ
R316	EVND4AA00B53	CONTROL			5KΩ
R351	ERG2ANJ103	METAL	2W	5%	10KΩ
R352	ERG2ANJ103	METAL	2W	5%	10KΩ
R353	ERG2ANJ103	METAL	2W	5%	10KΩ
R354	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68Ω
R355	ERJ6GMYJ271	S.M.CARB	0.1W	5%	27Ω
R356	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68Ω
R357	EVN65UA00B32	CONTROL			300Ω
R358	EVN65UA00B32	CONTROL			300Ω
R359	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680Ω
R360	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680Ω
R361	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680Ω
R362	EVN65UA00B23	CONTROL			2KΩ
R363	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R364	EVN65UA00B23	CONTROL			2KΩ
R365	ERDS1FJ152	CARBON	0.5W	5%	1K5Ω △
R366	ERDS1TJ152	CARBON	0.5W	5%	1K5Ω
R367	ERDS1TJ152	CARBON	0.5W	5%	1K5Ω
R368	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R369	EVN65UA00B23	CONTROL			2KΩ
R370	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R374	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R376	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R377	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390Ω
R378	ERD25TJ274	CARBON	0.25W	5%	270KΩ
R379	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18KΩ
R380	ERJ6GEYJ684	S.M.CARB	0.1W	5%	680KΩ
R455	ERG1SJ561	METAL	1W	5%	560Ω
R456	ERDS1TJ471	CARBON	0.5W	5%	470Ω
R457	ERDS1TJ331	CARBON	0.5W	5%	330Ω
R458	ERG2SJ122	METAL	2W	5%	1K2Ω
R459	ERDS1TJ222	CARBON	0.5W	5%	2K2Ω
R461	ERDS1TJ432	CARBON	0.5W	5%	4K3Ω
R465	EVNDCAA03B22	CONTROL			200Ω
R502	EVND4AA00B14	CONTROL			10KΩ
R507	ERG2ANJ471	METAL	2W	5%	470Ω
R517	ERG3SJS101	METAL	3W	5%	10Ω
R518	ERD25TJ103	CARBON	0.25W	5%	10KΩ
R520	ERQ12HJ1R0	METAL	0.5W	5%	1R0Ω △
R553	ERQ1CJP102	METAL	1W	5%	1KΩ △
R572	ERD25TJ151	CARBON	0.25W	5%	150Ω
R602	ERG2SJS470	METAL	2W	5%	47Ω
R607	EVND4AA00B14	CONTROL			10KΩ
R801	ERF5ZK2R7	WOUND	5W	20%	2.7Ω △
R802	ERDS1TJ184	CARBON	0.5W	5%	180K
R803	ERDS1TJ561	CARBON	0.5W	5%	560Ω
R804	ERD25TJ561	CARBON	0.25W	5%	560Ω
R806	ERX1SJ8R2	METAL	0.5W	5%	8R2Ω
R807	ERC12ZGK335D	SOLID	0.5W	10%	3M3Ω
R810	ERDS1TJ104	CARBON	0.5W	5%	100KΩ
R813	ERDS1TJ334	CARBON	0.5W	5%	330KΩ
R815	ERD75TAJ825	CARBON	0.75W	5%	8M2Ω △
R818	ERDS1TJ154	CARBON	0.5W	5%	150K
R819	ERDS1TJ124	CARBON	0.5W	5%	120KΩ
R821	ERDS1TJ334	CARBON	0.5W	5%	330KΩ
R822	ERG2ANJ683	METAL	2W	5%	68KΩ
R828	ERW12PKR33	WOUND	0.5W	10%	0R33Ω
R1209	ERJ6GMYJ271	S.M.CARB	0.1W	5%	27Ω
R1216	ERJ6ENF4871	S.M.CARB	0.1W	1%	4K87Ω
R1217	ERJ6ENF3161	S.M.CARB	0.1W	1%	3K16Ω
R1218	ERJ6ENF2371	S.M.CARB	0.1W	1%	2K37Ω

Ref No.	Part No.	Description			
R1219	ERJ6ENF2371	S.M.CARB	0.1W	1% 2K37Ω	
R1221	ERJ6ENF1002	S.M.CARB	0.1W	1% 10KΩ	
R1283	P1201	SENSOR			
R3105	ERDS1TJ101	CARBON	0.5W	5% 500Ω	
R3106	ERDS1TJ750	CARBON	0.5W	5% 75Ω	

SWITCHES

S301	EVQRBAL10	SWITCH			
S451	EVQRDSL12	SWITCH			
S801	ESB91232A	SWITCH			▲
S1202	EVQPB105K	SWITCH			
S1203	EVQPB105K	SWITCH			
S1204	EVQPB105K	SWITCH			
S1205	EVQPB105K	SWITCH			
S1206	EVQPB105K	SWITCH			

Ref No.	Part No.	Description	
TRANSFORMERS			
T201	EIS7ES710B	TRANSFORMER	
T551	TLH15461M	COIL	
T552	TLF15639F	FLYBACK TRANSFORMER	▲
T801	ETS39AF1W7AC	TRANSFORMER	

FILTERS

X101	F1045A	FILTER	
X203	EFCS6R0MS5	FILTER	
X301	EFCS6R0MW3	FILTER	
X601	TSS116M1	CRYSTAL	
X1201	EFOGC6004A4	FILTER	

REPLACEMENT PARTS LIST TX-21S1T

Ref No.	Part No.	Description			
MISCELLANEOUS COMPONENTS					
12)	TBM8E1334	REAR COVER LABEL			
13)	TNP8EE004AB	E.P.C.B.			▲
14)	TNP8ET001AA	T.P.C.B.			▲
	TQB8E0839	INSTRUCTION BOOK			▲

CAPACITORS

C016	ECEA1CU100	ELECT	16V	10μF	
C022	ECEA1HGE330	ELECT	50V	33μF	
C103	ERJ6GEY0R00	WIRE LINK			
C216	ECEA1CU220	ELECT	16V	22μF	
C253	ECEA1HFS2R2	S.M. CAP	50V	2.2μF	
C255	ECEA1CGE330	ELECT	16V	33μF	
C256	222236516224	FILM	160V	220nF	
C258	ECEA1EGE222	ELECT	25V	2200μF	
C259	ECEA1EU102	ELECT	25V	1000μF	
C305	ECQM1H104J	FILM	50V	100nF	
C307	ECUV1H102KBX	S.M. CAP	50V	1nF	
C456	ECEA1HN4R7	ELECT	50V	4.7μF	
C458	ECEA1CN470	ELECT	16V	47μF	
C461	ECEA1VGE102	ELECT	35V	1000μF	
C507	ECEA1HFS2R2	S.M. CAP	50V	2.2μF	
C509	ECEA1AGE471	ELECT	10V	470μF	
C511	ECEA1HGE100	ELECT	50V	10μF	
C551	ECKC3D102J	CERAMIC	2KV	1nF	▲
C555	ECQM4333JC	FILM	400V	33nF	
C557	ECKC3D122J	CERAMIC	2KV	1200pF	▲
C558	ECWF2H474J	FILM	500V	470nF	▲
C562	ECEA2EGE100	ELECT	250V	10μF	
C565	ECEA2CU2R2	ELECT	160V	2.2μF	
C856	ECEA1HGE471	ELECT	50V	470μF	
C858	ECEA1EGE100	ELECT	25V	10μF	
C859	ECEA1EGE100	ELECT	25V	10μF	
C1205	ECEA1EU101	ELECT	25V	100μF	
C1226	ECUV1H101JCX	S.M. CAP	50V	100pF	
C1228	ECUV1H471JCX	S.M. CAP	50V	470pF	
C1238	ECUV1H471JCX	S.M. CAP	50V	470pF	
C1239	ECUV1H471JCX	S.M. CAP	50V	470pF	
C1251	ECUV1H471JCX	S.M. CAP	50V	470pF	
C1257	ECUV1H471JCX	S.M. CAP	50V	470pF	
C1258	ECUV1H471JCX	S.M. CAP	50V	470pF	
C1259	ECUV1H471JCX	S.M. CAP	50V	470pF	
C1261	ECUV1H471JCX	S.M. CAP	50V	470pF	
C1262	ECUV1H471JCX	S.M. CAP	50V	470pF	
C3117	ECEA1AU101	ELECT	10V	100μF	

Ref No.	Part No.	Description	
TRANSFORMERS			
T201	EIS7ES710B	TRANSFORMER	
T551	TLH15461M	COIL	
T552	TLF15639F	FLYBACK TRANSFORMER	▲
T801	ETS39AF1W7AC	TRANSFORMER	
FILTERS			
X101	F1045A	FILTER	
X203	EFCS6R0MS5	FILTER	
X301	EFCS6R0MW3	FILTER	
X601	TSS116M1	CRYSTAL	
X1201	EFOGC6004A4	FILTER	

DIODES

D305	MA165TA5	DIODE	
D817	MA1039MTA	DIODE	
D820	TF341M-A-RL	THYRISTOR	
D822	PC120FY	DIODE	

Ref No.	Part No.	Description
D855	MA4051	DIODE
D857	MA4200	DIODE
D3503	MA165TA5	DIODE
D3505	MA165TA5	DIODE
D3506	MA165TA5	DIODE
D3507	MA165TA5	DIODE
D3508	MA165TA5	DIODE
D3509	MA165TA5	DIODE
D3510	MA165TA5	DIODE
D3515	MA165TA5	DIODE
D3517	PMLL4148L	DIODE
D3518	PMLL4148L	DIODE

INTEGRATED CIRCUITS

IC1204	RPM-637CBRS1	LED RECEIVER
IC3501	CF72306	TELETEXT PROCESSOR
IC3502	CF70205ANW	TELETEXT CONTROL
IC3503	L78M05MRB	5V REGULATOR
IC3504	LA7222-TV	SWITCHING
IC3505	AN5862K	SWITCHING
IC3506	MN1280R	RESET

COILS

L301	ELESN100KA	COIL
L307	ELESN150KA	COIL
L3501	ELESN100KA	COIL
L3503	ELESN100KA	COIL
L3504	ELESN100KA	COIL
L3505	ELESN100KA	COIL

TRANSISTORS

Q1240	BC847B	TRANSISTOR
Q3503	BC847B	TRANSISTOR
Q3504	BC847B	TRANSISTOR
Q3505	BC847B	TRANSISTOR
Q3506	BC847B	TRANSISTOR
Q3508	BC857B	TRANSISTOR
Q3509	BC847B	TRANSISTOR
Q3510	BC847B	TRANSISTOR
Q3511	UN2213TX	TRANSISTOR
Q3512	2SD601ATX	TRANSISTOR
Q3513	BC847B	TRANSISTOR
Q3514	BC847B	TRANSISTOR

RESISTORS

R.319	ERJ6GEY0R00	WIRE LINK
R011	ERJ6GEY0R00	WIRE LINK
R012	ERJ6GEY0R00	WIRE LINK
R015	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R101	ERJ6GEY0R00	WIRE LINK
R103	ERJ6GEY0R00	WIRE LINK
R107	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680Ω
R108	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5.6KΩ
R111	ERJ6GEYJ122	S.M.CARB 0.1W 5% 1K2Ω
R112	ERJ6GEYJ334	RESISTOR
R113	ERJ6GEYJ334	RESISTOR
R114	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4.7KΩ
R115	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R116	ERJ6GEYJ183	S.M.CARB 0.1W 5% 18KΩ
R117	ERJ6GMYJ271	S.M.CARB 0.1W 5% 270Ω
R118	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R119	ERJ6GEYJ682	S.M.CARB 0.1W 5% 6K8Ω

Ref No.	Part No.	Description
R123	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R124	ERJ6GEYJ114	S.M.CARB 0.1W 5% 110KΩ
R204	ERJ6GEYJ182	S.M.CARB 0.1W 5% 1K8Ω
R205	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R207	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R208	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R209	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R216	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R232	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680Ω
R251	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R253	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R255	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3Ω
R256	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R257	ERJ6GEYJ561	S.M.CARB 0.1W 5% 560Ω
R258	ERD25TJ103	CARBON 0.25W 5% 10KΩ
R261	ERJ6GEYJ3R3	S.M.CARB 0.1W 5% 3.3Ω
R262	ERJ6GEYJ182	S.M.CARB 0.1W 5% 1K8Ω
R263	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R301	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R303	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R304	ERJ6GEYJ181	S.M.CARB 0.1W 5% 180Ω
R307	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5.6KΩ
R308	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R309	ERJ6GEYJ821	S.M.CARB 0.1W 5% 820Ω
R310	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R311	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R312	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R313	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R314	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R315	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R317	ERJ6GEYJ393	S.M.CARB 0.1W 5% 39KΩ
R318	ERJ6GEYJ913	S.M.CARB 0.1W 5% 91KΩ
R320	ERD25TJ102	CARBON 0.25W 5% 1KΩ
R401	ERJ6GEYJ334	S.M.CARB 0.1W 5% 330KΩ
R403	ERJ6GEYJ335	S.M.CARB 0.1W 5% 3M3Ω
R451	ERJ6GEYJ432	S.M.CARB 0.1W 5% 4.3KΩ
R452	ERJ6GEYJ432	S.M.CARB 0.1W 5% 4.3KΩ
R462	ERJ6GEYJ122	S.M.CARB 0.1W 5% 1K2Ω
R463	ERJ6GEYJ682	S.M.CARB 0.1W 5% 6K8Ω
R464	ERDS1TJ1R8	CARBON 0.5W 5% 1R8Ω
R466	ERJ6GEYJ470	S.M.CARB 0.1W 5% 47Ω
R467	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R468	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330Ω
R469	ERJ6GEY0R00	WIRE LINK
R471	ERD25TJ681	CARBON 0.25W 5% 680Ω
R501	ERJ6GEYJ123	S.M.CARB 0.1W 5% 12KΩ
R503	ERJ6GEYJ824	S.M.CARB 0.1W 5% 820KΩ
R504	ERJ6GEYJ273	S.M.CARB 0.1W 5% 27KΩ
R505	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R506	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5.6KΩ
R508	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R509	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R512	ERJ6GEYJ474	S.M.CARB 0.1W 5% 470KΩ
R513	ERJ6GEYJ333	S.M.CARB 0.1W 5% 33KΩ
R514	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4.7KΩ
R516	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R518	ERD25TJ682	CARBON 0.25W 5% 6K8Ω
R519	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R521	ERQ2CJP8R2	METAL 2W 5% 8R2Ω ▲
R522	ERQ12HJ1R2	METAL 0.5W 5% 1R2Ω ▲
R564	ERQ12HJ2R2	FUSABLE 0.5W 5% 2R2Ω ▲
R566	ERD25TJ224	CARBON 0.25W 5% 220KΩ
R567	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R568	ERQ12HJ8R2	METAL 0.5W 5% 8R2Ω ▲
R571	ERJ6GEYJ680	S.M.CARB 0.1W 5% 68Ω
R601	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R608	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3Ω
R616	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R622	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5.6KΩ
R623	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ

Ref No.	Part No.	Description			
R624	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3Ω
R625	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R805	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560Ω
R809	TSF19401	FS LINK		▲	
R811	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3Ω
R812	ERQ12HJ330	METAL	0.5W	5%	33Ω ▲
R814	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R816	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R817	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R823	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4.7KΩ
R824	ERDS1TJ683	CARBON	0.5W	5%	68KΩ
R825	ERDS1TJ683	CARBON	0.5W	5%	68KΩ
R826	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R827	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R854	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R855	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R856	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680Ω
R858	ERJ6GEYJ182	S.M.CARB	0.1W	5%	1K8Ω
R1151	ERJ6GEY0R00	WIRE LINK			
R1152	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1201	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R1202	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KΩ
R1203	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10Ω
R1204	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R1205	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33KΩ
R1206	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5.6KΩ
R1207	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5Ω
R1208	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R1210	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5Ω
R1211	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5.6KΩ
R1213	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R1214	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ
R1220	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1222	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1223	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1224	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1225	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1226	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KΩ
R1227	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1228	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1229	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1230	ERJ6GEY0R00	WIRE LINK			
R1231	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1232	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9Ω
R1233	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R1234	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1235	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1236	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1237	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1238	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R1239	ERJ6GEYJ564	S.M.CARB	0.1W	5%	560KΩ
R1240	ERJ6GEY0R00	WIRE LINK			
R1241	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1242	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1243	ERJ6GEYJ752	S.M.CARB	0.1W	5%	7.5KΩ
R1244	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1245	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1246	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2Ω
R1247	ERJ6GEY0R00	WIRE LINK			
R1248	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1249	ERJ6GEY0R00	WIRE LINK			
R1250	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1251	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1252	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8.2KΩ
R1253	ERJ6GEYJ471	S.M.CARB	0.1W	5%	47Ω
R1254	ERJ6GEY0R00	WIRE LINK			
R1255	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1256	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18KΩ
R1257	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4.7KΩ
R1258	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8.2KΩ
R1259	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5.6KΩ

Ref No.	Part No.	Description			
R1260	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1261	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4.7KΩ
R1262	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KΩ
R1263	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KΩ
R1264	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680Ω
R1266	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R1267	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R1268	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KΩ
R1269	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9Ω
R1270	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1271	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9Ω
R1272	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R1273	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R1275	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R1276	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1277	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1278	ERJ6GEYJ823	S.M.CARB	0.1W	55	82KΩ
R1279	ERJ6GEYJ184	S.M.CARB	0.1W	5%	180KΩ
R1280	ERJ6GEY0R00	WIRE LINK			
R1281	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68KΩ
R1282	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1284	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R1285	ERJ6GEY0R00	WIRE LINK			
R1287	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R1288	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KΩ
R1289	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R1290	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R1291	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R1292	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R1293	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ
R1294	ERJ6GEY0R00	WIRE LINK			
R1296	ERJ6GEY0R00	WIRE LINK			
R1297	ERJ6GEY0R00	WIRE LINK			
R1298	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5Ω
R1299	ERJ6GEY0R00	WIRE LINK			
R3101	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3102	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R3103	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7Ω
R3108	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3109	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R3112	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R3115	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R3116	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75Ω
R3117	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R3118	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R3119	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8.2KΩ
R3120	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R3121	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R3122	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R3123	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39KΩ
R3124	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5.6KΩ
R3125	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5.6KΩ
R3126	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27KΩ
R3127	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R3128	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R3131	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5.6KΩ
R3132	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5.6KΩ
R3134	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R3137	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R3301	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R3302	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330Ω
R3303	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330Ω
R3304	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330Ω
R3305	ERJ6GEY0R00	WIRE LINK			
R3306	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R3308	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R3309	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KΩ
R3310	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KΩ
R3501	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R3502	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R3503	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ

Ref No.	Part No.	Description			
R3504	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R3505	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5.6KΩ
R3506	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R3507	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R3508	ERQ14AJ100	METAL	0.25W	5%	10Ω ▲
R3509	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220Ω
R3510	ERJ6GEY0R00	WIRE LINK			
R3513	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KΩ
R3514	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R3515	EVND4AA00B24	CONTROL			20KΩ
R3516	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KΩ
R3517	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KΩ
R3521	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KΩ
R3522	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3523	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100Ω
R3524	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3Ω
R3525	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47Ω
R3526	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47Ω
R3527	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47Ω
R3529	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω
R3530	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5Ω
R3531	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5Ω
R3532	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5Ω
R3534	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180Ω
R3535	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180Ω
R3536	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180Ω
R3537	ERD25TJ102	CARBON	0.25W	5%	1KΩ
R3538	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680Ω
R3539	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R3540	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KΩ
R3541	ERD25TJ682	CARBON	0.25W	5%	6K8Ω
R3543	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470Ω
R3544	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KΩ
R3545	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2Ω

REPLACEMENT PARTS LIST TC-21S1R

Ref No.	Part No.	Description			
MISCELLANEOUS COMPONENTS					
12)	TBM8E1346	REAR COVER LABEL			
13)	TNP8EE004AN	E.P.C.B.			
F801	2153.15	FUSE			▲
	TQB8E0839	INSTRUCTION BOOK			▲
CAPACITORS					
C016	ECEA1CU470	ELECT	16V	47μF	
C022	ECEA1HU330	ELECT	50V	33μF	
C103	ERJ6GMY0R00	S.M.WIRE	LINK		
C207	ECUV1H472KBX	S.M.CAP	50V	4.7nF	
C216	ECEA1CU100	ELECT	16V	10μF	
C253	ECEA1HU2R2	ELECT	50V	2.2μF	
C255	ECEA1CU330	ELECT	16V	33μF	
C258	ECEA1EGE102	ELECT	25V	1000μF	
C259	ECEA1EU471	ELECT	25V	470μF	
C305	ECQM1H474J	FILM	50V	470nF	
C458	ECQM1H104J	FILM	50V	100nF	
C461	ECEA1VU102	ELECT	35V	1000μF	
C507	ECEA1HU2R2	ELECT	50V	2.2μF	
C509	ECEA1AU471	ELECT	10V	470μF	
C511	ECEA1HU100	ELECT	50V	10μF	
C552	ECKC3D391J	CERAMIC	2KV	390pF	▲
C557	ECKC3D152J	CERAMIC	2KV	1.5nF	▲
C558	ECWF2H394JZ	CERAMIC	500V	390nF	▲
C562	ECEA2EU100	ELECT	250V	10μF	
C565	ECEA2CU4R7	ELECT	160V	4.7μF	
C856	ECEA1HU471	ELECT	50V	470μF	
RESISTORS					
R015	ERJ6GMYJ153	S.M.CARB	0.1W	5%	15KΩ
R101	ERJ6GMY0R00	S.M.WIRE	LINK		
R103	ERJ6GMY0R00	S.M.WIRE	LINK		
R107	ERJ6GMYJ561	S.M.CARB	0.1W	5%	560Ω
R108	ERJ6GMYJ562	S.M.CARB	0.1W	5%	5K6Ω
R111	ERJ6GMYJ122	S.M.CARB	0.1W	5%	1K2Ω
DIODES					
D817	MA1033MTA	DIODE			
D820	SF2G41RL	TYRISTOR			
D855	MA4056	DIODE			
D857	MA4160	DIODE			
COILS					
L102	ELESN2R7KA	COIL			
L301	ELESN6R8KA	COIL			
TRANSISTORS					
Q851	2SD1273PLB	TRANSISTOR			
Q1204	BC847B	TRANSISTOR			

Ref No.	Part No.	Description		
R112	ERJ6GMYJ334	S.M. CARB	0.1W	5% 330KΩ
R113	ERJ6GMYJ334	S.M. CARB	0.1W	5% 330KΩ
R114	ERJ6GMYJ472	S.M. CARB	0.1W	5% 4K7Ω
R115	ERJ6GMYJ103	S.M. CARB	0.1W	5% 10KΩ
R116	ERJ6GMYJ183	S.M. CARB	0.1W	5% 18KΩ
R117	ERJ6GMY0R00	S.M. WIRE	LINK	
R118	ERJ6GMYJ221	S.M. CARB	0.1W	5% 220Ω
R119	ERJ6GMYJ682	S.M. CARB	0.1W	5% 6K8Ω
R123	ERJ6GMYJ152	S.M. CARB	0.1W	5% 1K5Ω
R124	ERJ6GMYJ114	S.M. CARB	0.1W	5% 110KΩ
R204	ERJ6GMYJ182	S.M. CARB	0.1W	5% 1K8Ω
R205	ERJ6GMYJ152	S.M. CARB	0.1W	5% 1K5Ω
R207	ERJ6GMYJ153	S.M. CARB	0.1W	5% 15KΩ
R208	ERJ6GMYJ103	S.M. CARB	0.1W	5% 10KΩ
R209	ERJ6GMYJ102	S.M. CARB	0.1W	5% 1KΩ
R216	ERJ6GMYJ103	S.M. CARB	0.1W	5% 10KΩ
R232	ERJ6GMYJ681	S.M. CARB	0.1W	5% 680Ω
R251	ERJ6GMYJ102	S.M. CARB	0.1W	5% 1KΩ
R253	ERJ6GMYJ221	S.M. CARB	0.1W	5% 220Ω
R255	ERJ6GMYJ472	S.M. CARB	0.1W	5% 4K7Ω
R256	ERJ6GMYJ471	S.M. CARB	0.1W	5% 470Ω
R258	ERD25TJ332	CARBON	0.25W	5% 3K3Ω
R261	ERJ6GMYJ3R3	S.M. CARB	0.1W	5% 3R3Ω
R262	ERJ6GMYJ182	S.M. CARB	0.1W	5% 1K8Ω
R263	ERJ6GMYJ102	S.M. CARB	0.1W	5% 1KΩ
R301	ERJ6GMYJ102	S.M. CARB	0.1W	5% 1KΩ
R303	ERJ6GMYJ221	S.M. CARB	0.1W	5% 220Ω
R304	ERJ6GMYJ181	S.M. CARB	0.1W	5% 180Ω
R307	ERJ6GMYJ562	S.M. CARB	0.1W	5% 5K6Ω
R308	ERJ6GMYJ102	S.M. CARB	0.1W	5% 1KΩ
R309	ERJ6GMYJ821	S.M. CARB	0.1W	5% 820Ω
R311	ERJ6GMYJ102	S.M. CARB	0.1W	5% 1KΩ
R312	ERJ6GMYJ101	S.M. CARB	0.1W	5% 100Ω
R313	ERJ6GMYJ101	S.M. CARB	0.1W	5% 100Ω
R314	ERJ6GMYJ101	S.M. CARB	0.1W	5% 100Ω
R315	ERJ6GMYJ104	S.M. CARB	0.1W	5% 100KΩ
R317	ERJ6GMYJ393	S.M. CARB	0.1W	5% 39KΩ
R318	ERJ6GMYJ913	S.M. CARB	0.1W	5% 91KΩ
R319	ERJ6GMY0R00	S.M. WIRE	LINK	
R401	ERJ6GMYJ334	S.M. CARB	0.1W	5% 330KΩ
R403	ERJ6GMYJ335	S.M. CARB	0.1W	5% 3M3Ω
R451	ERJ6GMYJ432	S.M. CARB	0.1W	5% 4K3Ω
R452	ERJ6GMYJ432	S.M. CARB	0.1W	5% 4K3Ω
R462	ERJ6GMYJ122	S.M. CARB	0.1W	5% 1K2Ω
R463	ERJ6GMYJ682	S.M. CARB	0.1W	5% 6K8Ω
R464	ERDS1TJ2R2	CARBON	0.5W	5% 2.2Ω
R466	ERJ6GMYJ470	S.M. CARB	0.1W	5% 47Ω
R467	ERJ6GMYJ152	S.M. CARB	0.1W	5% 1K5Ω
R468	ERJ6GMYJ331	S.M. CARB	0.1W	5% 330Ω
R469	ERJ6GMY0R00	S.M. WIRE	LINK	
R501	ERJ6GMYJ123	S.M. CARB	0.1W	5% 12KΩ
R503	ERJ6GMYJ824	S.M. CARB	0.1W	5% 820KΩ
R504	ERJ6GMYJ273	S.M. CARB	0.1W	5% 27KΩ
R505	ERJ6GMYJ471	S.M. CARB	0.1W	5% 470Ω
R506	ERJ6GMYJ562	S.M. CARB	0.1W	5% 5K6Ω
R508	ERJ6GMYJ102	S.M. CARB	0.1W	5% 1KΩ
R509	ERJ6GMYJ103	S.M. CARB	0.1W	5% 10KΩ
R512	ERJ6GMYJ474	S.M. CARB	0.1W	5% 470KΩ
R513	ERJ6GMYJ333	S.M. CARB	0.1W	5% 33KΩ
R514	ERJ6GMYJ472	S.M. CARB	0.1W	5% 4K7Ω
R516	ERJ6GMYJ102	S.M. CARB	0.1W	5% 1KΩ
R519	ERJ6GMYJ272	S.M. CARB	0.1W	5% 2K7Ω
R521	ERQ12HJ1R5	FUSIBLE	0.5W	5% 1R5Ω ▲
R522	ERQ12HJU1R2	METAL	0.5W	5% 1R2Ω ▲
R564	ERQ12HJU2R7	METAL	0.5W	5% 2R7Ω ▲
R566	ERD25TJ204	CARBON	0.25W	5% 200KΩ
R567	ERJ6GMYJ153	S.M. CARB	0.1W	5% 15KΩ
R568	ERG2SJS121	METAL	2W	5% 120Ω
R571	ERJ6GMYJ680	S.M. CARB	0.1W	5% 68Ω
R601	ERJ6GMYJ104	S.M. CARB	0.1W	5% 100KΩ
R608	ERJ6GMYJ332	S.M. CARB	0.1W	5% 3K3Ω

Ref No.	Part No.	Description		
R616	ERJ6GMYJ473	S.M.CARB	0.1W	5% 47KΩ
R622	ERJ6GMYJ562	S.M.CARB	0.1W	5% 5K6Ω
R623	ERJ6GMYJ103	S.M.CARB	0.1W	5% 10KΩ
R624	ERJ6GMYJ332	S.M.CARB	0.1W	5% 3K3Ω
R625	ERJ6GMYJ103	S.M.CARB	0.1W	5% 10KΩ
R805	ERJ6GMYJ561	S.M.CARB	0.1W	5% 560Ω
R809	ERQ12HJU8R2	METAL	0.5W	5% 8R2Ω ▲
R811	ERJ6GMYJ332	S.M.CARB	0.1W	5% 3K3Ω
R812	ERQ12HJ220	METAL	0.5W	5% 22Ω ▲
R814	ERJ6GMYJ102	S.M.CARB	0.1W	5% 1KΩ
R816	ERJ6GMYJ473	S.M.CARB	0.1W	5% 47KΩ
R817	ERJ6GMYJ101	S.M.CARB	0.1W	5% 100Ω
R823	ERJ6GMYJ472	S.M.CARB	0.1W	5% 4K7Ω
R827	ERJ6GMYJ471	S.M.CARB	0.1W	5% 470Ω
R854	ERJ6GMYJ101	S.M.CARB	0.1W	5% 100Ω
R855	ERJ6GMYJ471	S.M.CARB	0.1W	5% 470Ω
R856	ERJ6GMYJ102	S.M.CARB	0.1W	5% 1KΩ
R858	ERJ6GMYJ182	S.M.CARB	0.1W	5% 1K8Ω
R1151	ERJ6GMY0R00	S.M. WIRE	LINK	
R1152	ERJ6GMY0R00	S.M. WIRE	LINK	
R1201	ERJ6GMYJ473	S.M.CARB	0.1W	5% 47KΩ
R1202	ERJ6GMYJ563	S.M.CARB	0.1W	5% 56KΩ
R1203	ERJ6GMYJ100	S.M.CARB	0.1W	5% 10Ω
R1204	ERJ6GMYJ104	S.M.CARB	0.1W	5% 100KΩ
R1205	ERJ6GMYJ333	S.M.CARB	0.1W	5% 33KΩ
R1206	ERJ6GMYJ562	S.M.CARB	0.1W	5% 5K6Ω
R1207	ERJ6GMYJ152	S.M.CARB	0.1W	5% 1K5Ω
R1208	ERJ6GMYJ473	S.M.CARB	0.1W	5% 47KΩ
R1210	ERJ6GMYJ152	S.M.CARB	0.1W	5% 1K5Ω
R1211	ERJ6GMYJ562	S.M.CARB	0.1W	5% 5K6Ω
R1213	ERJ6GMYJ473	S.M.CARB	0.1W	5% 47KΩ
R1214	ERJ6GMYJ153	S.M.CARB	0.1W	5% 15KΩ
R1215	ERO25CKF9531	METAL	0.25W	1% 9K53Ω ▲
R1220	ERJ6GMY0R00	S.M. WIRE	LINK	
R1222	ERJ6GMYJ101	S.M.CARB	0.1W	5% 100Ω
R1223	ERJ6GMYJ101	S.M.CARB	0.1W	5% 100Ω
R1224	ERJ6GMYJ101	S.M.CARB	0.1W	5% 100Ω
R1225	ERJ6GMYJ101	S.M.CARB	0.1W	5% 100Ω
R1226	ERJ6GMYJ123	S.M.CARB	0.1W	5% 12KΩ
R1227	ERJ6GMYJ101	S.M.CARB	0.1W	5% 100Ω
R1228	ERJ6GMYJ101	S.M.CARB	0.1W	5% 100Ω
R1229	ERJ6GMYJ103	S.M.CARB	0.1W	5% 10KΩ
R1230	ERJ6GMY0R00	S.M. WIRE	LINK	
R1231	ERJ6GMYJ101	S.M.CARB	0.1W	5% 100Ω
R1232	ERJ6GMYJ392	S.M.CARB	0.1W	5% 3K9Ω
R1233	ERJ6GMYJ102	S.M.CARB	0.1W	5% 1KΩ
R1234	ERJ6GMYJ101	S.M.CARB	0.1W	5% 100Ω
R1235	ERJ6GMYJ101	S.M.CARB	0.1W	5% 100Ω
R1236	ERJ6GMYJ103	S.M.CARB	0.1W	5% 10KΩ
R1237	ERJ6GMYJ103	S.M.CARB	0.1W	5% 10KΩ
R1238	ERJ6GMYJ104	S.M.CARB	0.1W	5% 100KΩ
R1239	ERJ6GMYJ564	S.M.CARB	0.1W	5% 560KΩ
R1240	ERJ6GMY0R00	S.M. WIRE	LINK	
R1241	ERJ6GMYJ103	S.M.CARB	0.1W	5% 10KΩ
R1242	ERJ6GMYJ103	S.M.CARB	0.1W	5% 10KΩ
R1243	ERJ6GMYJ752	S.M.CARB	0.1W	5% 7K5Ω
R1244	ERJ6GMYJ103	S.M.CARB	0.1W	5% 10KΩ
R1245	ERJ6GMYJ101	S.M.CARB	0.1W	5% 100Ω
R1246	ERJ6GMYJ122	S.M.CARB	0.1W	5% 1K2Ω
R1247	ERJ6GMY0R00	S.M. WIRE	LINK	
R1248	ERJ6GMYJ103	S.M.CARB	0.1W	5% 10KΩ
R1249	ERJ6GMY0R00	S.M. WIRE	LINK	
R1250	ERJ6GMY0R00	S.M. WIRE	LINK	
R1251	ERJ6GMY0R00	S.M. WIRE	LINK	
R1252	ERJ6GMYJ822	S.M.CARB	0.1W	5% 8K2Ω
R1253	ERJ6GMYJ471	S.M.CARB	0.1W	5% 470Ω
R1254	ERJ6GMY0R00	S.M. WIRE	LINK	
R1255	ERJ6GMYJ103	S.M.CARB	0.1W	5% 10KΩ
R1256	ERJ6GMYJ183	S.M.CARB	0.1W	5% 18KΩ
R1257	ERJ6GMYJ472	S.M.CARB	0.1W	5% 4K7Ω
R1258	ERJ6GMYJ822	S.M.CARB	0.1W	5% 8K2Ω

890

Ref No.	Part No.	Description			
R1259	ERJ6GMYJ562	S.M.CARB	0.1W	5%	5K6Ω
R1260	ERJ6GMY0R00	S.M. WIRE	LINK		
R1261	ERJ6GMYJ472	S.M.CARB	0.1W	5%	4K7Ω
R1262	ERJ6GMYJ123	S.M.CARB	0.1W	5%	12KΩ
R1263	ERJ6GMYJ563	S.M.CARB	0.1W	5%	56KΩ
R1264	ERJ6GMYJ681	S.M.CARB	0.1W	5%	680Ω
R1266	ERJ6GMYJ222	S.M.CARB	0.1W	5%	2K2Ω
R1267	ERJ6GMYJ222	S.M.CARB	0.1W	5%	2K2Ω
R1268	ERJ6GMYJ223	S.M.CARB	0.1W	5%	22KΩ
R1269	ERJ6GMYJ392	S.M.CARB	0.1W	5%	3K9Ω
R1270	ERJ6GMY0R00	S.M. WIRE	LINK		
R1271	ERJ6GMYJ392	S.M.CARB	0.1W	5%	3K9Ω
R1272	ERJ6GMYJ471	S.M.CARB	0.1W	5%	470Ω
R1273	ERJ6GMYJ473	S.M.CARB	0.1W	5%	47KΩ
R1275	ERJ6GMYJ104	S.M.CARB	0.1W	5%	100KΩ
R1276	ERJ6GMYJ103	S.M.CARB	0.1W	5%	10KΩ
R1277	ERJ6GMYJ103	S.M.CARB	0.1W	5%	10KΩ
R1278	ERJ6GMYJ823	S.M.CARB	0.1W	5%	82KΩ
R1279	ERJ6GMYJ184	S.M.CARB	0.1W	5%	180KΩ
R1280	ERJ6GMYJ123	S.M.CARB	0.1W	5%	12KΩ
R1281	ERJ6GMYJ333	S.M.CARB	0.1W	5%	33KΩ
R1282	ERJ6GMY0R00	S.M. WIRE	LINK		
R1284	ERJ6GMYJ102	S.M.CARB	0.1W	5%	1KΩ
R1285	ERJ6GMYJ222	S.M.CARB	0.1W	5%	2K2Ω
R1287	ERJ6GMYJ473	S.M.CARB	0.1W	5%	47KΩ
R1288	ERJ6GMYJ563	S.M.CARB	0.1W	5%	56KΩ
R1289	ERJ6GMYJ102	S.M.CARB	0.1W	5%	1KΩ
R1290	ERJ6GMYJ471	S.M.CARB	0.1W	5%	470Ω
R1291	ERJ6GMYJ101	S.M.CARB	0.1W	5%	100Ω
R1292	ERJ6GMYJ103	S.M.CARB	0.1W	5%	10KΩ
R1293	ERJ6GMYJ153	S.M.CARB	0.1W	5%	15KΩ
R1294	ERJ6GMY0R00	S.M. WIRE	LINK		
R1296	ERJ6GMY0R00	S.M. WIRE	LINK		
R1297	ERJ6GMY0R00	S.M. WIRE	LINK		

Ref No.	Part No.	Description			
R1298	ERJ6GMYJ152	S.M.CARB	0.1W	5%	1K5Ω
R1299	ERJ6GMY0R00	S.M. WIRE	LINK		
R3101	ERJ6GMYJ101	S.M.CARB	0.1W	5%	100Ω
R3102	ERJ6GMYJ750	S.M.CARB	0.1W	5%	75Ω
R3103	ERJ6GMYJ272	S.M.CARB	0.1W	5%	2K7Ω
R3108	ERJ6GMYJ101	S.M.CARB	0.1W	5%	100Ω
R3109	ERJ6GMYJ750	S.M.CARB	0.1W	5%	75Ω
R3112	ERJ6GMYJ750	S.M.CARB	0.1W	5%	75Ω
R3115	ERJ6GMYJ750	S.M.CARB	0.1W	5%	75Ω
R3116	ERJ6GMYJ750	S.M.CARB	0.1W	5%	75Ω
R3118	ERJ6GMYJ103	S.M.CARB	0.1W	5%	10KΩ
R3120	ERJ6GMYJ103	S.M.CARB	0.1W	5%	10KΩ
R3121	ERJ6GMYJ221	S.M.CARB	0.1W	5%	220Ω
R3122	ERJ6GMYJ104	S.M.CARB	0.1W	5%	100KΩ
R3123	ERJ6GMYJ393	S.M.CARB	0.1W	5%	39KΩ
R3124	ERJ6GMYJ562	S.M.CARB	0.1W	5%	5K6Ω
R3125	ERJ6GMYJ562	S.M.CARB	0.1W	5%	5K6Ω
R3126	ERJ6GMYJ273	S.M.CARB	0.1W	5%	27KΩ
R3127	ERJ6GMYJ221	S.M.CARB	0.1W	5%	220Ω
R3128	ERJ6GMYJ221	S.M.CARB	0.1W	5%	220Ω
R3131	ERJ6GMYJ562	S.M.CARB	0.1W	5%	5K6Ω
R3132	ERJ6GMYJ562	S.M.CARB	0.1W	5%	5K6Ω
R3134	ERJ6GMYJ222	S.M.CARB	0.1W	5%	2K2Ω
R3301	ERJ6GMYJ102	S.M.CARB	0.1W	5%	1KΩ
R3302	ERJ6GMYJ331	S.M.CARB	0.1W	5%	330Ω
R3303	ERJ6GMYJ331	S.M.CARB	0.1W	5%	330Ω
R3304	ERJ6GMYJ331	S.M.CARB	0.1W	5%	330Ω
R3305	ERJ6GMY0R00	S.M. WIRE	LINK		
R3306	ERJ6GMYJ471	S.M.CARB	0.1W	5%	470Ω
R3308	ERJ6GMYJ221	S.M.CARB	0.1W	5%	220Ω
R3309	ERJ6GMYJ223	S.M.CARB	0.1W	5%	22KΩ
R3310	ERJ6GMYJ223	S.M.CARB	0.1W	5%	22KΩ